APPENDIX E

Air Quality / Greenhouse Gas Emissions Technical Documentation

E-1 Technical Appendix for Air Quality / Greenhouse Gas Emissions

Hollywood Center Project

Draft EIR

Technical Appendix for Air Quality and Greenhouse Gas Emissions

1. Air Quality and Greenhouse Gas Emissions Methodology
2. Air Quality Worksheets
3. Greenhouse Gas (GHG) Worksheets
4. Construction Health Risk Assessment Worksheets

Hollywood Center Project

1. Air Quality and GHG Methodology

1. Introduction

ESA conducted a comprehensive criteria pollutant and greenhouse gas (GHG) emissions analysis and report for the Hollywood Center Project (Project). Emissions associated with construction and operation of the Project were quantified. This technical report describes the methodology used to estimate criteria pollutant and GHG emissions from the Project. Methodology for emissions reductions from project design features (PDFs) and mitigation measures are also described herein.

2. Air Pollutant and GHG Emissions Methodology

This section describes the methodology used to calculate emissions resulting from Project construction and operational activities. These emissions were used to evaluate air quality and GHG impacts. Construction activities would generate emissions from heavy duty equipment usage and vehicle trips traveling to and from the Project Site. Long-term operational activities would generate criteria pollutants through vehicle trips, energy usage (natural gas), and area source emissions. In addition to the aforementioned operational sources, GHG emissions associated with electricity use, waste and wastewater conveyance, solid waste, and emergency generators are included in the GHG analysis.

a) Emission Inventories

(1) Construction

Project construction activities that would have the potential to create regional air quality impacts include vehicle trips generated by construction workers, vendor trucks, and haul trucks traveling to and from the Project Site and building activities such as the application of paint and other surface coatings. The Project's daily regional criteria pollutant emissions during construction were estimated for the Project's two potential construction scenarios.

The Project's Draft EIR considers two potential construction scenarios where applicable: a scenario where construction of the West and East Sites have some overlap (overlapping scenario, with shorter overall construction duration). Under the overlapping construction scenario, the Utilities/Trenching, Site Preparation, and early Grading/Excavation phases could begin on the East Site while the West Site is in the Building Construction phase. In this overlapping construction scenario, construction could be completed in approximately

4.5 years (beginning in 2021 and completion in 2025). Under the sequential construction scenario, construction of the West and East Sites are entirely separate and sequential where there would be no overlap (sequential construction scenario, extended construction duration). In this scenario, construction would be completed over an approximately seven-year period (beginning in 2021 and completion in 2027). Of the two construction scenarios described above, the overlapping construction scenario would generate the maximum daily emissions because it would result in more intense daily construction activity. Therefore, for modeling purposes, construction emissions were modeled for construction of the West Site and East Site under the overlapping construction scenario beginning in 2021 and full Project buildout in 2025.

Project construction is estimated to start in 2021, but may commence at a later date. If this occurs, construction impacts would be lower than those analyzed below due to the use of a more energy-efficient and cleaner burning construction vehicle fleet mix, pursuant to State regulations that require vehicle fleet operators to phase-in less polluting heavy-duty equipment. As a result, should Project construction commence at a later date than analyzed herein, air pollutant and GHG emissions would be lower than the emission levels disclosed herein.

The Project's construction emissions were estimated using the California Emissions Estimator Model (CalEEMod) software, version 2016.3.2, an emissions inventory software program recommended by the South Coast Air Quality Management District (SCAQMD). CalEEMod is based on outputs from the California Air Resources Board's (CARB) on-road vehicle EMissions FACtor (EMFAC) model and CARB's off-road emissions factor model (OFFROAD), which is used to calculate emissions from construction activities, including on- and off-road vehicles. The input values used in this analysis were adjusted to be Project-specific based on equipment types and the construction schedule. Worker trip estimates were provided by the Project's construction representative, and vendor truck trip estimates were based on calculation methodologies in CalEEMod. However, the actual emissions from worker trips and vendor truck trips were estimated outside of CalEEMod to account for the CARB 2017 on-road vehicle emissions factor (EMFAC2017) model because EMFAC2017 has not yet been incorporated in the current version of CalEEMod. Haul truck trip estimates were based on excavation volumes obtained from the Project's engineering consultant, KPFF Consulting Engineers, and 14 cubic yard soil capacity haul trucks. Haul truck trip distances were assumed to all be from the Project Site to and from a landfill destination in the city of Azusa. This serves as a reasonably conservative haul truck trip distance because emissions from haul truck trips would be reduced if all or a portion of the haul truck trips disposed of excavated fill at landfills located closer to the Project Site than the landfill in Azusa since the trip distance to these closer landfills from the Project Site would be shorter than those used in the current emissions analysis. cement truck trip estimates were based on mat foundation volumes obtained from the Project's construction representative and 9 cubic yard concrete capacity concrete trucks. Emissions from haul trucks and concrete trucks were also estimated outside of CalEEMod using EMFAC2017 emission factors for haul and concrete trucks because CalEEMod assumes that the

number of heavy-duty trucks input into the model occurs across the entire length of the applicable construction phases. However, since the applicable construction phases would not have hauling activities and haul trucks on-site every day within each particular phase, the emissions calculations performed outside of CalEEMod are able to account for the varying maximum numbers of daily haul truck and concrete truck trips within each of the demolition, grading/excavation, foundations/concrete pour, and building construction phases. These values were applied to the construction phasing assumptions used in the criteria pollutant analysis to generate criteria pollutant emissions values for each construction activity. The Project would export approximately 542,300 cubic yards of soil and approximately 1,616 cubic yards of demolition debris. Emissions from Project construction activities were estimated based on the construction phase in which the activity would be occurring. The maximum daily emissions were predicted values for the worst-case day and do not represent the emissions that would occur daily during Project construction. The maximum daily emissions were compared to the SCAQMD daily regional thresholds of significance.

(a) Emissions from Construction Equipment

(i) Criteria Pollutants

Emissions of volatile organic compounds (VOCs), nitrogen oxides (NO_X), carbon monoxide (CO), sulfur oxides (SO_X), and respirable and fine particulate matter (PM10 and PM2.5) would result from the use of construction equipment such as bulldozers, wheeled loaders, and cranes. Construction emissions can vary substantially from day to day, depending on the level of activity, the specific type of operation and, for dust, the prevailing weather conditions. The assessment of construction air quality impacts considers each of these potential sources.

Truck and construction equipment emissions will 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 and trucks which represents an average model year for available equipment within the basin. CalEEMod calculates the exhaust emissions based on CARB OFFROAD methodology using the equation presented below.

<u>Construction Off-Road Equipment:</u>

$$Emissions_{Diesel}\,[g] = \sum_i (EF_i \times Pop_i \times AvgHP_i \times Load_i \times Activity_i$$

Where:

EF_i	=	Emission factor from OFFROAD [g/bhp-hr]
Pop_i	=	Population [quantity of same equipment type]
$AvgHP_i$	=	Maximum rated average horsepower [hp]
$Load_i$	=	Load Factor [dimensionless]
$Activity_i$	=	Hours of operation [hours]

i	=	Equipment Type

The CalEEMod software provides options for specifying equipment, horsepower ratings, load factors, and operational hours per day. Construction equipment lists for each phase of construction activity were provided by the Applicant. Equipment operational hours were based on eight hours of usage per day to estimate the Project's maximum daily emissions.

CalEEMod incorporates methodologies to quantify construction-related fugitive dust emissions, which are based on methodologies from the United States Environmental Protection Agency (USEPA) Compilation of Air Pollutant Emission Factors, AP-42. Fugitive dust emissions from construction equipment were estimated within CalEEMod.

The amount of construction equipment used and the duration of construction activity could have a substantial effect upon the amount of construction emissions, concentrations and the resulting impacts occurring at any one time. As such, the emission forecasts provided reflect a specific set of conservative assumptions based on the expected construction scenario wherein a relatively large amount of construction is occurring in a relatively intensive manner.

(ii) GHG Emissions

Construction of the Project would result in one-time GHG emissions of carbon dioxide (CO_2) and smaller amounts of methane (CH_4) and nitrous oxide (N_2O) from construction equipment. Construction emissions are forecasted by assuming a conservative estimate of construction activities (i.e., assuming all construction occurs at the earliest feasible date) and applying the off-road emissions factors using CalEEMod. The output values used in this analysis are adjusted to be Project-specific based on equipment types and the construction schedule. These values were then applied to the same construction equipment and phasing assumptions used in the criteria pollutant analysis to generate GHG emissions values for each construction year. Construction GHG emissions are generally calculated in CalEEMod as follows:

<u>Construction Off-Road Equipment:</u>

$$\text{Emissions}_{\text{Diesel}}\ [\text{MTCO}_2\text{e}] = \left(\sum_i (\text{EF}_i \times \text{Pop}_i \times \text{AvgHP}_i \times \text{Load}_i \times \text{Activity}_i) \div 10^6 \right.$$

Where:

MTCO_2e	=	Metric tons of carbon dioxide equivalents
EF_i	=	Emission factor from OFFROAD [g/bhp-hr]
Pop_i	=	Population [quantity of same equipment type]
AvgHP_i	=	Maximum rated average horsepower [hp]
Load_i	=	Load Factor [dimensionless]
Activity_i	=	Hours of operation [hours]

10^6	=	Conversion factor [g/MT]
i	=	Equipment Type

(b) Emissions from On-Road Trips

(i) Criteria Pollutants

Construction activities would generate on-road vehicle exhaust emissions of VOCs, NO_X, CO, SO_X, PM10 and PM2.5, evaporative emissions of VOCs, and fugitive dust emissions of PM10 and PM2.5 from workers and vendors traveling to and from the site, as well as haul trucks and concrete trucks for demolition debris hauling, soil hauling, and supplies/material transport. These emissions are based on the number of trips and vehicle miles traveled (VMT) along with emission factors from EMFAC2017.

Vehicle running emission factors for exhaust criteria pollutants and PM10 and PM2.5 emissions from tire wear, brake wear, and entrained road dust were obtained from EMFAC2017 on a per VMT basis for each respective vehicle class from the Project's construction year and adjusted for unit conversions to derive emission factors in units of grams per VMT. The emissions from mobile sources were then calculated based on the trip rates, trip lengths, and the EMFAC2017 running emission factors as follows:

<u>Construction On-Road Trips:</u>

$Emissions_{pollutant} = VMT * EF_{running,pollutant}$

Where:

$Emissions_{pollutant}$	=	emissions from vehicle running for each pollutant [g]
VMT	=	vehicle miles traveled [miles]
$EF_{running,pollutant}$	=	emission factor for running emissions [g/mile]

(ii) GHG Emissions

Construction of the Project would generate GHG emissions of CO_2 and lesser amounts of CH_4 and N_2O from workers and vendors traveling to and from the site, as well as haul trucks. The emissions are estimated using the emission factors generated from the EMFAC2017 model, similar to the criteria pollutant analysis. The emissions from mobile sources were then calculated based on the trip rates, trip lengths, and the EMFAC2017 running emission factors as follows.

<u>Construction On-Road Trips:</u>

$Emissions_{pollutant}\ [MTCO_2e] = (VMT \times EF_{running,pollutant}) \div 10^6$

Where:

VMT	=	vehicle miles traveled [miles]
$EF_{running,pollutant}$	=	emission factor for running emissions [g/mile]
10^6	=	Conversion factor [g/MT]

(c) Emissions from Architectural Coatings

VOC off-gassing emissions would result from the evaporation of solvents contained in architectural coatings that would be applied on buildings and other painted surfaces during Project construction. The CalEEMod software calculates the VOC evaporative emissions from application of residential and non-residential surface coatings using the following equation:

Construction Architectural Coating Emissions:

$E_{AC} = EF_{AC} \times F * A_{paint}$

Where:

E	=	emissions [lb VOC]
EF	=	emission factor [lb/sqft]
A	=	building surface area [sqft].

The CalEEMod software assumes the total surface area for painting of buildings is equal to 2.7 times the floor square footage for residential and 2 times that for nonresidential building square footage. All of the land use information provided by a metric other than building square footage are converted in CalEEMod to square footage using CalEEMod conversions or user defined equivalence.

F	=	fraction of surface area [%].

With respect to estimating interior and exterior surface coating, the CalEEMod methodology is based on SCAQMD methods used in their coating rules of 75% for the interior surfaces and 25% for the exterior shell.

The emission factor (EF) is based on the VOC content of the surface coatings, as specified in the Project's applicable local air quality management district or air pollution control district rules and is calculated estimated using the equation below:

Construction Surface Coating Emission Factor:

$EF_{AC} = C_{voc} / 454[g/lb] \times 3.785[L/Gal]/180[sqft]$

Where:

EF	=	emission factor [lb/sqft]

C = VOC content [g/L]. This varies by location and year

The emission factors for coating categories are calculated using the equation above based on default VOC content provided by the air districts or CARB's Statewide limits. For the Project, SCAQMD Rule 1113 regulates the VOC content for architectural coatings and was used in the analysis.

(d) Emissions from Paving

While there is no specific screen within CalEEMod associated with asphalt paving emissions, CalEEMod estimates VOC off-gassing emissions associated with asphalt paving of parking lots using the following equation:

<u>Construction Paving Emissions:</u>

$E_{AP} = EF_{AP} \times A_{Parking}$

Where:

E = emissions [lb]

EF = emission factor [lb/acre]. The default factor is 2.62 lb/acre.

A = area of the parking lot [acre]

(2) Operations

(a) Existing Site Emissions

For the purposes of this analysis, no credit is taken for existing operational air quality emissions associated with the existing American Musical and Dramatic Academy (AMDA)-leased facility on the West Site, which is proposed for demolition, because the facility could relocate and continue to operate. In addition, since the Capitol Records Complex on the East Site would continue to operate as under existing conditions, this analysis assumes the portion of the existing East Site with the Capitol Records Complex would generate the same operational air quality emissions with or without the Project. Therefore, existing operational air quality emissions are not required to be calculated and the Project's air quality emissions are conservatively considered new.

Both construction scenarios result in two potential operational buildout scenarios for the East Site: the Project and the Project with the East Site Hotel Option (see Chapter II, *Project Description*, of the Project's Draft EIR for additional details).

(b) Area Source Emissions

(i) Criteria Pollutants

Area source emissions were calculated using CalEEMod default assumptions for the Project's residential, commercial, and restaurant land uses. Area sources include hearths,

consumer product use, architectural coatings, and landscape maintenance equipment. This does not include the emissions associated with natural gas usage in space heating, water heating, and stoves as these are calculated in the building energy use module.

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:

<u>Consumer Products:</u>

Emissions = EF × Building Area

Where:

EF	=	pounds of VOC per building square foot per day The factor is 2.04 x 10^{-5} lbs/sqft/day for SCAQMD areas.
Building Area	=	The total square footage of all buildings including residential square footage.

VOC off-gassing emissions from architectural coatings result from evaporation of solvents such as in paints and primers. The methodology for operations is the same as the construction methodology discussed above.

(ii) GHG Emissions

The emissions of GHGs associated with operational area sources under the Project are calculated using the CalEEMod software. The emissions for landscaping equipment are based on the size of the Project's residential, commercial, and restaurant land uses, the GHG emission factors for fuel combustion, and the GWP values for the GHGs emitted. Annual GHG emissions from landscaping equipment in units of $MTCO_2e$ are generally calculated in CalEEMod as follows:

<u>Landscaping Equipment:</u>

Annual Emissions [$MTCO_2e$] = $(\sum_i (\text{Units} \times EF_{LE} \times A_{LE} \times GWP)_i) \div 10^6$

Where:

Units	=	Number of land use units (same land use type) [1000 sqft]
EF_{LE}	=	GHG emission factor [grams (g)/1000 sqft/day]

A_{LE}	=	Landscaping equipment operating days per year [day/year]
GWP	=	Global warming potential [CO_2 = 1, CH_4 = 25, N_2O = 298]
10^6	=	Conversion factor [g/MT]
i	=	Summation index

CalEEMod uses landscaping equipment GHG emission factors from the CARB OFFROAD model and the CARB *Technical Memo: Change in Population and Activity Factors for Lawn and Garden Equipment (6/13/2003)*.[1] CalEEMod estimates that landscaping equipment operate for 250 days per year in the South Coast Air Basin.

(c) Energy Emissions (Electricity and Natural Gas)

With regard to energy usage, the consumption of fossil fuels to generate electricity and to provide heating and hot water generates criteria pollutants. Future fuel consumption rates are estimated based on specific square footage of the residential, commercial, and restaurant land uses, as well as predicted water supply needs of the Project. Energy usage (off-site electricity generation and on-site natural gas consumption) for the Project is calculated within CalEEMod using the California Energy Commission (CEC) Commercial End-Use Survey (CEUS) data set.[2] This data set provides energy intensities of different land uses throughout the State and different climate zones. CalEEMod incorporates the 2016 Title 24 Building Energy Efficiency Standards.

With regard to energy demand, the consumption of fossil fuels to generate electricity and to provide heating and hot water generates GHG emissions. Future fuel consumption rates are estimated based on specific square footage of the residential, retail, and restaurant land uses, as well as predicted water supply needs of the Project. Based on data obtained from CARB staff, "[i]f an applicant would like to use an EF [emission factor] that represents the State's Renewable Portfolio Standard (RPS) law and growth in electricity demand, the EF of 595 [pounds] CO_2/MWh may be used."[3] According to CARB staff, the "EF represents a 'marginal' supply profile for new generation that will be added to the grid in the years 2020 and beyond, and is consistent with the methodology used in state emission rule impact assessments."[4] Therefore, consistent with the CARB staff recommendation, a CO_2 intensity factor of 595 pounds of CO_2 per MWh applies to operational electricity emissions between 2020 and 2023. However, as discussed above, because the first full operational year would be 2024 for the West Site and 2025 or 2027 for the East Site, depending on the construction scenario, the future year CO_2 emissions factor of 497 lbs/MWh was used for years 2024 and 2025 and 444 lbs/MWh was used for

1 California Air Resources Board, OFFROAD Modeling Change Technical Memo: Change in Population and Activity Factors for Lawn and Garden Equipment, June 13, 2003.

2 California Energy Commission, California Commercial End-Use Survey, October 2017.

3 California Air Resources Board, Statewide Emission Factors (EF) For Use With AB 900 Projects, January 2017. The emission factor of 595 pounds CO_2/MWh is from the California LEV III Initial Statement Of Reasons (ISOR, Dec. 7, 2011). This document is provided in **Appendix F-4**.

4 California Air Resources Board, Statewide Emission Factors (EF) For Use With AB 900 Projects, January 2017.

year 2027. These factors were scaled proportionately assuming LADWP would achieve the future year renewable energy targets of 44 percent by 2024 and at least 50 percent by 2027. Emission factors for CH_4 and N_2O were obtained from CalEEMod.[5]

(i) Electricity

(a) Criteria Pollutants

Criteria pollutant emissions are not required to be estimated for electricity.

(b) GHG Emissions

The generation of electricity in California is achieved through the combustion of fossil fuels, primarily natural gas, using steam boilers, internal combustion engines, and combustion turbines. A portion of the electricity in California is imported from outside the state and is derived from the combustion of coal and other non-gaseous fossil fuels. The combustion of fossil fuels to produce electricity results in GHG emissions of CO_2 and smaller amounts of CH_4 and N_2O. The electricity generation occurs off-site; therefore, electricity use results in GHG emissions that are considered to be indirect.

Emissions of GHGs associated with operation of the Project are based on the size of the residential, commercial, and restaurant land uses, the electrical demand factors for the land uses, the GHG emission factors for the electricity utility provider, and the GWP values for the GHGs emitted. This assessment also includes electricity-related GHG emissions from the parking lot, which would include lighting electricity. Annual electricity GHG emissions in units of $MTCO_2e$ are calculated as follows:

<u>Electricity:</u>

Annual Emissions [$MTCO_2e$] = $(\sum_i (\text{Units} \times D_E \times EF_E \times GWP)_i) \div 2204.62$

Where:

Units	=	Number of land use units (same type) [DU or 1000 sqft]
D_E	=	Electrical demand factor [megawatt-hour] (MWh)/DU or 1000 sqft/year]
EF_E	=	GHG emission factor [pounds per megawatt-hour (MWh)]
GWP	=	Global warming potential [CO_2 = 1, CH_4 = 25, N_2O = 298]
2204.62	=	Conversion factor [pounds/MT]
i	=	Summation index

As discussed above, emission factors for CO_2 due to electrical generation to serve the electrical demands of the Project based on data obtained from CARB staff, "[i]f an

[5] California Air Pollution Control Officers Association, California Emissions Estimator Model, http://www.caleemod.com/. Accessed October 2018.

applicant would like to use an EF [emission factor] that represents the State's Renewable Portfolio Standard (RPS) law and growth in electricity demand, the EF of 595 [pounds] CO_2/MWh may be used."[6] According to CARB staff, the "EF represents a 'marginal' supply profile for new generation that will be added to the grid in the years 2020 and beyond, and is consistent with the methodology used in state emission rule impact assessments."[7] Therefore, consistent with the CARB staff recommendation, a CO_2 intensity factor of 595 pounds of CO_2 per MWh applies to operational electricity emissions between 2020 and 2023. However, as discussed above, because the first full operational year would be 2024 for the West Site and 2025 or 2027 for the East Site, depending on the construction scenario, the future year CO_2 emissions factor of 497 lbs/MWh was used for years 2024 and 2025 and 444 lbs/MWh was used for year 2027. These factors were scaled proportionately assuming LADWP would achieve the future year renewable energy targets of 44 percent by 2024 and at least 50 percent by 2027. Emission factors for CH_4 and N_2O were obtained from CalEEMod.[8]

(ii) Natural Gas

(a) Criteria Pollutants

Natural gas-related emissions of criteria pollutants associated with operation of the Project are based on the size of the residential, commercial, and restaurant land uses, the natural gas demand factors for the land uses. Natural gas demand is based on data from the CEUS, which lists energy demand by building type.[9] However, since the data from the CEUS is from 2002, CalEEMod incorporates correction factors to account for compliance with the 2016 Title 24 Building Standards Code. Natural gas criteria pollutant emissions are calculated as follows:

<u>Natural Gas:</u>

Annual Emissions [$MTCO_2e$] = ($\sum_i$ (Units × D_{NG} × EF_{NG})$_i$)

Where:

Units	=	Number of land use units (same type) [DU or 1000 sqft]
D_{NG}	=	Natural gas combustion factor [MMBtu/DU or 1000 sqft/year]
EF_{NG}	=	GHG emission factor [pounds/MMBtu]

6 California Air Resources Board, Statewide Emission Factors (EF) For Use With AB 900 Projects, January 2017. The emission factor of 595 pounds CO_2/MWh is from the California LEV III Initial Statement Of Reasons (ISOR, Dec. 7, 2011). This document is provided in **Appendix F-4**.

7 California Air Resources Board, Statewide Emission Factors (EF) For Use With AB 900 Projects, January 2017.

8 California Air Pollution Control Officers Association, California Emissions Estimator Model, http://www.caleemod.com/. Accessed October 2018.

9 California Energy Commission, California Commercial End-Use Survey, http://capabilities.itron.com/CeusWeb/Chart.aspx. Accessed December 2018.

(b) GHG Emissions

Natural gas-related emissions of GHGs associated with operation of the Project are based on the size of the residential, commercial, and restaurant land uses, the natural gas demand factors for the land uses, the GHG emission factors for the natural gas combustion, and the GWP values for the GHGs emitted. Annual natural gas GHG emissions in units of $MTCO_2e$ are calculated as follows:

<u>Natural Gas:</u>

Annual Emissions [$MTCO_2e$] = $(\sum_i (\text{Units} \times D_{NG} \times EF_{NG} \times GWP)_i) \div 2204.62$

Where:

Units	=	Number of land use units (same type) [DU or 1000 sqft]
D_{NG}	=	Natural gas combustion factor [MMBtu/DU or 1000 sqft/year]
EF_{NG}	=	GHG emission factor [pounds/MMBtu]
GWP	=	Global warming potential [CO_2 = 1, CH_4 = 25, N_2O = 298]
2204.62	=	Conversion factor [pounds/MT]
i	=	Summation index

Natural gas demand is based on data from the CEUS, which lists energy demand by building type.[10] However, since the data from the CEUS is from 2002, correction factors are applied to account for compliance with the updated 2016 Title 24 Building Standards Code. The combustion of natural gas results in relatively equal amounts of GHG emissions per unit of gas combusted in the state. Emission factors for GHGs due to natural gas combustion to serve the heating and cooking demands of the Project were obtained from the CalEEMod software, which provides statewide emission factors.[11] The emissions of GHGs due to natural gas demand would be relatively steady for the years assessed.

The combustion of natural gas results in relatively equal amounts of GHG emissions per unit of gas combusted in the state. Emission factors for GHGs due to natural gas combustion to serve the heating and cooking demands of the Project were obtained from the CalEEMod software, which provides Statewide emission factors.[12] The emissions of GHGs due to natural gas demand would be relatively steady for the years assessed.

[10] California Energy Commission, California Commercial End-Use Survey, http://capabilities.itron.com/CeusWeb/ChartsSF/Default2.aspx. Accessed January 2018.

[11] California Air Pollution Control Officers Association, California Emissions Estimator Model, http://www.caleemod.com/. Accessed January 2018.

[12] California Air Pollution Control Officers Association, California Emissions Estimator Model, http://www.caleemod.com/. Accessed December 2018.

(d) Mobile Source Emissions

(i) Mobile Source Emission Factors

(a) Criteria Pollutants

The estimated vehicle trips and VMT were provided for the Project uses in the Transportation Assessment (TA) for the Hollywood Center Project[13] and are provided in Appendix N-1 of the Project's Draft EIR. The EMFAC model was run in the emissions mode (also referred to as the "Burden" mode) and used to generate County-specific vehicle fleet emission factors in units of grams or metric tons per mile. These emission factors were then applied to the daily VMT to obtain daily mobile source emissions. Since all vehicle types would visit the Project Site, this assessment uses the County motor vehicle fleet mix and the fleet average calendar year emissions factors from EMFAC to estimate mobile source emissions. Mobile source emissions are estimated for calendar years 2024 and 2025 corresponding to when the West Site buildout and full Project buildout are anticipated under the overlapping construction scenario. Operational impacts would be lower in year 2027 than year 2025 due to the improving vehicle technology that would be more fuel-efficient and lead to a cleaner vehicle fleet mix traveling to and from the Project Site as reflected in EMFAC mobile source emission factors. Therefore, to present the most conservative analysis, only operational emissions from Project buildout in year 2025 are shown below, as operational emissions for year 2027 would be lower than those presented for 2025 due to overall improved vehicle fleet emissions standards.

Modeling for the Project was conducted using the vehicle fleet mix for Los Angeles County as provided in EMFAC2017. Mobile source emissions are generally calculated as follows:

<u>Mobile Source:</u>

$$\text{Emissions} = \left(\sum_i (VMT \times EF)_i \right)$$

Where:

VMT	=	Vehicle miles traveled
EF	=	EMFAC Fleet emissions factor [pounds per mile]
i	=	Summation index

(b) GHG Emissions

Operational mobile source GHG emissions associated with the Project uses were using the vehicle miles VMT from the Project TA prepared by Fehr & Peers for the Project.[14] The emissions generated by the VMT were calculated using EMFAC2017.

Similar to criteria pollutant analysis, the Project's mobile source GHG emission calculations associated with the Project are calculated using the vehicle miles VMT from

13 Fehr & Peers, Transportation Assessment for the Hollywood Center Project, November 2019.

14 Fehr & Peers, Transportation Assessment for the Hollywood Center Project, November 2019. Provided as Appendix N-1 of the Project's Draft EIR.

the Transportation Impact Study prepared by Fehr and Peers for the Project.[15] The trip lengths are based on the location and urbanization of the project area. The average trip length of each land use is the sum of the trip length of each trip type multiplied by the percentage of trip type.

The Project's mobile source emissions are calculated based on the Project's VMT obtained from the Project's TA,[16] which accounts for Project related reductions in trip generation and VMT due to the Project's infill nature, location, design, and TDM Program (refer to Section IV.L, *Transportation*, of the Project's Draft EIR, for a discussion of the transportation demand management features).

Emissions of GHGs associated with mobile sources from operation of the Project are based on the estimated annual VMT the GHG emission factors for the mobile sources from EMFAC2017, and the GWP values for the GHGs emitted. The types of vehicles that would visit the site include all vehicle types including automobiles, light-duty trucks, delivery trucks, and waste haul trucks. Modeling for the Project was conducted using the vehicle fleet mix for Los Angeles County as provided in EMFAC2017. Annual mobile source GHG emissions in units of $MTCO_2e$ are generally calculated as follows:

<u>Mobile:</u>

Annual Emissions [$MTCO_2e$] = $(\sum_i (VMT \times EF \times GWP)_i) \div 2204.62$

Where:

VMT	=	Annual vehicle miles traveled
EF	=	GHG emission factor [pounds per mile]
GWP	=	Global warming potential [CO_2 = 1, CH_4 = 25, N_2O = 298]
2204.62	=	Conversion factor [pounds/MT]
i	=	Summation index

Emissions of GHGs from motor vehicles are dependent on model years and the specific types of vehicles that are used to travel to and from the Project Site. The emissions were calculated using a representative motor vehicle fleet mix for Los Angeles County for the opening year of the Project. As discussed above, all vehicle types would visit the Project Site; therefore, the use of the motor vehicle fleet mix for Los Angeles County is an appropriate modeling parameter. The CO_2 and CH_4 mobile source emissions were added together, using the appropriate GWP values, to obtain emissions in units of $MTCO_2e$ (emissions of N_2O are negligible and would not affect the total mobile source GHG emissions).

15 Fehr & Peers, Transportation Assessment for the Hollywood Center Project, November 2019. Provided as Appendix N-1 of the Project's Draft EIR.

16 Fehr & Peers, Transportation Assessment for the Hollywood Center Project, November 2019. Provided as Appendix N-1 of this Draft EIR.

(e) Stationary Source (Emergency Generator Emissions)

(i) Criteria Pollutants

Emissions associated with periodic maintenance and testing of the emergency generator is estimated separately outside of the CalEEMod software. The emergency generator emissions are calculated based on compliance with the Tier 4 emissions standards and compliance with SCAQMD Rule 1470 (Requirements for Stationary Diesel-Fueled Internal Combustion and Other Compression Ignition Engines) mandated emission limits and operating hour constraints. As discussed previously, Rule 1470 applies to stationary compression ignition engine greater than 50 brake horsepower and sets limits on emissions and operating hours. In general, new stationary emergency standby diesel-fueled engines greater than 50 brake horsepower are not permitted to operate more than 50 hours per year for maintenance and testing. In general, stationary-source emergency generator emissions are calculated as follows:

<u>Stationary Source Emergency Generator:</u>

$$\text{Emissions}_{\text{Diesel}}\,[\text{g}] = \sum_i (\text{EF} \times \text{Pop} \times \text{HP} \times \text{Load} \times \text{Activity})_i$$

Where:

EF	=	Emission factor [g/bhp-hr]
Pop	=	Population [quantity of same equipment type]
HP	=	Maximum rated horsepower [hp]
Load	=	Load Factor [dimensionless]
Activity	=	Hours of operation [hours per day, hours per year]
i	=	Summation index

(ii) GHG Emissions

In general, stationary-source emergency generator emissions are calculated using the same formula as above and reported in units of $MTCO_2e$ per year.

(f) Stationary Source (Restaurant Charbroiling Emissions)

(i) Criteria Pollutants

Stationary-source emissions are estimated separately outside of the CalEEMod software as certain stationary sources, such as restaurant charbroilers, are not accounted for in CalEEMod. Stationary sources may include charbroiling of meat that may occur on-site during food preparation activities in the restaurant kitchen. Charbroiling emissions are

calculated based on emissions factors available from the SCAQMD.[17] In order to provide a conservative analysis, it was assumed that the restaurant uses would charbroil meat with relatively high emission factors (i.e., hamburger meat and chicken). The quantity of meat charbroiled in the restaurant uses are based on survey data from the SCAQMD and San Joaquin Valley Air Pollution Control District. The estimated emissions account for reductions from compliance with emissions control requirements consistent with SCAQMD Rule 1138.[18]

The estimated emissions account for reductions from compliance with emissions control requirements consistent with SCAQMD Rule 1138 (Control of Emissions from Restaurant Operations), which requires charbroilers to be equipped and operated with a control device that has been certified by the manufacturer to reduce particulate matter emissions by at least 85 percent. In general, stationary-source charbroiling emissions are calculated as follows:

<u>Stationary Source Charbroiling and Deep-Fat Frying:</u>

$$\text{Emissions} = \left(\sum_i (Q_{MEAT} \times EF \times (1 - C)_i \right)$$

Where: Q_{MEAT} = Quantity of meat product charbroiled or deep-fat fried in a day [pounds/day]

EF = Emission factor [pounds pollutant per pounds meat]

C = Emissions control factor [percent], 86% for VOC and 85% for PM, per rule 1138

i = Summation index

(ii) GHG Emissions

There are no GHG emissions associated with the specific activity of charbroiling. Therefore, GHG emissions are not required to be estimated for charbroiling.

(g) Solid Waste Emissions

(i) Criteria Pollutants

Criteria pollutant emissions are not required to be estimated for solid waste.

[17] South Coast Air Quality Management District, Emission Factors for Commercial Cooking Operations, http://www.aqmd.gov/docs/default-source/rule-book/Proposed-Rules/1138/par1138pdsr_appendixi.pdf?sfvrsn=2. Accessed December 2018.

[18] South Coast Air Quality Management District, Staff Report for Rule 1138 (Control of Emissions from Restaurant Operations), 1997 (as found in SJVAPCD Final Draft Staff Report: Rule 4692 (Commercial Charbroiling)), https://planning.lacity.org/eir/8150Sunset/References/4.B.%20Air%20Quality/AQ.14_SJVAPCD%20Charbroiling%20EF%20by%20Meat.pdf. Accessed December 2018.

(ii) GHG Emissions

The Project would generate solid waste from day-to-day operational activities, which 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 waste is diverted to waste recycling and reclamation facilities. Waste that is not diverted is usually sent to local landfills for disposal. waste 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 under the Project are calculated using the CalEEMod software. The emissions are based on the size of the residential, commercial, 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 $MTCO_2e$ are generally calculated in CalEEMod as follows:

<u>Solid Waste:</u>

Annual Emissions $[MTCO_2e] = (\sum_i (Units \times D_W \times EF_W \times GWP)_i) \div 1.1023$

Where:

Units	=	Number of land use units (same type) [DU or 1000 sqft]
D_W	=	Waste disposal rate [tons/DU or 1000 sqft/year]
EF_W	=	GHG emission factor [tons/ton waste]
GWP	=	Global warming potential [CO_2 = 1, CH_4 = 25, N_2O = 298]
1.1023	=	Conversion factor [tons/MT]
i	=	Summation index

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. The total amount of waste disposed was reduced by the diversion rate for the City of Los Angeles of 76 percent, according to the most recent data available.[19] 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, are used in this assessment.

[19] City of Los Angeles, Bureau of Sanitation, Zero Waste Progress Report, 2013.

(h) Water Usage and Wastewater Generation Emissions

(i) Criteria Pollutants

Criteria pollutant emissions are not required to be estimated for water usage and wastewater generation.

(ii) GHG Emissions

Water and wastewater generated from the land uses under the Project would require energy to supply, distribute and treat. The combustion of fossil fuels to produce electricity results in GHG emissions of CO_2 and smaller amounts of CH_4 and N_2O. The electricity generation occurs off-site; therefore, the electricity use from water and wastewater results in GHG emissions that are considered to be indirect. Wastewater also results in emissions of GHGs from wastewater treatment systems (e.g., septic, aerobic, or lagoons) as well as from solids that are digested either through an anaerobic digester or with co-generation from combustion of digester gas.

The emissions of GHGs associated with wastewater treatment process emissions are also calculated using CalEEMod. The emissions are based on the type of treatment (e.g., aerobic, facultative lagoons, septic systems). The emissions are calculating using the default settings in CalEEMod for the type of wastewater treatment. Calculation formulas are described in detail in the *California Emissions Estimator Model User's Guide, Appendix A*.[20] Annual water demand and wastewater GHG emissions due to electricity are generally calculated in CalEEMod as follows for indoor and outdoor water demand:

<u>Water Supply, Treatment, and Distribution; Wastewater Treatment (electricity):</u>

$$\text{Annual Emissions [MTCO}_2\text{e]} = \left(\sum_i (\text{Units} \times D_W \times (EI_W \div 1000) \times EF_W \times GWP)_i \right) \div 2204.62$$

Where:

Units	=	Number of land use units (same land use type) [1000 sqft]
D_W	=	Water demand factor [million gallons (Mgal)/1000 sqft/year]
EI_W	=	Electricity intensity factor [kilowatt-hours (kWh)/Mgal]
1000	=	Conversion factor [kWh/MWh]
EF_W	=	GHG emission factor [pounds/MWh]
GWP	=	Global warming potential [CO_2 = 1, CH_4 = 25, N_2O = 298]
2204.62	=	Conversion factor [pounds/MT]
i	=	Summation index

[20] California Air Resources Board, CalEEMod User's Guide, October 2017.

The CEC's estimate for energy intensity of the water use cycle in Southern California, as provided in the 2006 CEC report *Refining Estimates of Water-Related Energy Use in California*, is used to calculate the energy usage related to water supply, treatment, and distribution and wastewater treatment.[21] The same electricity GHG emissions factors discussed in *(c) Energy Emissions* are used for water and wastewater energy usage.

As stated in the *User's Guide*, the GHGs emitted from each type of wastewater treatment are based on the CARB's *Local Government Operations Protocol* (LGOP),[22] which are in turn based on USEPA methodologies.[23] The default CalEEMod settings for wastewater treatment are: 10.33 percent septic tank, 87.46 percent aerobic, 2.21 percent facultative lagoons and 100 percent anaerobic combustion of gas.

b) Comparison of Project Characteristics to Applicable Plans and Policies

The City's General Plan Air Quality Element includes Citywide policies that are related to air quality. The Project's characteristics and AQ emissions are evaluated by comparing the Project to applicable AQ goals, policies and objectives of the Air Quality Element. Table 1, *Consistency with Applicable Air Quality Policies of the* General Plan, assesses the consistency of the Project with the applicable air quality goals, objectives, and policies in the Air Quality Element of the General Plan.

TABLE 1
CONSISTENCY WITH APPLICABLE AIR QUALITY POLICIES OF THE GENERAL PLAN

Recommendation	Analysis of Consistency
Air Quality Element	
Goal 1: Good air quality and mobility in an environment of continued population growth and healthy economic structure.	**Consistent.** The Project would provide residential uses and employment opportunities in proximity to existing job centers and multiple existing transit options on an urban infill site in the Hollywood neighborhood of Los Angeles. As such, Project residents can live near their work, and have access to convenient modes of transportation that provide options for reducing reliance on automobiles, thereby minimizing associated air pollutant emissions. The Project would incorporate project design features that would meet and exceed the applicable requirements of the State of California Green Building Standards Code and the City of Los Angeles Green Building Code. The Project would also reduce VMT as a result of its mixed-use design and increased density in an urban infill location within an identified Transit Priority Area, with nearby access to public transportation within a quarter-

[21] California Energy Commission, Refining Estimates of Water-Related Energy Use in California, PIER Final Project Report, CEC-500-2006-118, 2006.

[22] California Air Resources Board, Local Government Operations Protocol, Chapter 10: Wastewater Treatment Facilities, 2008.

[23] United States Environmental Protection Agency, Inventory of US Greenhouse Gas Emissions and Sinks: 1990-2006, Chapter 8: Waste, 2008.

Recommendation	Analysis of Consistency
	mile of the Project Site, and its proximity to other destinations including job centers, retail and entertainment. The Project would also allow people to live near recreational amenities including the Hollywood Walk of Fame that borders the Project Site along Vine Street between Hollywood Boulevard and Yucca Street and the Hollywood Pantages Theatre that is within walking distance south of the Project (see Chapter III, *Environmental Setting*, of the Project's Draft EIR for more information). As a result, the Project would provide people with convenient mobility options and a wide range of economic/employment opportunities.
Objective 1.1: It is the objective of the City of Los Angeles to reduce air pollutants consistent with the Regional Air Quality Management Plan, increase traffic mobility, and sustain economic growth citywide.	**Consistent.** The Project's location, land use characteristics and project design features would reduce emissions associated with energy and transportation. As discussed under Threshold a), the Project would be consistent with the relevant SCAG growth projections in the SCAG 2016 RTP/SCS that were used in preparing the 2016 AQMP. The Project would occupy a location within an identified Transit Priority Area that is highly accessible by existing transit options, including the Metro Red Line at the Metro Red Line Hollywood/Vine station, Metro Local Lines 180, 210, 212/312, 217, and 222, Metro Rapid Line 780, and LADOT DASH lines Hollywood, Beachwood Canyon, and Hollywood/Wilshire. As such, the Project would be supportive of the Transportation Control Measures in the AQMP related to reducing vehicle trips for employees, visitors and residents. The Project would increase residential and commercial density near public transit, which would reduce the Project's transportation-related emissions compared to a development that is not located near transit options.
Objective 1.3: It is the objective of the City of Los Angeles to reduce particulate air pollutants emanating from unpaved areas, parking lots, and construction sites.	**Consistent.** The Project would incorporate measures that would reduce particulate air pollutants from unpaved areas, parking lots, and construction sites. The Project would implement required control measures for construction-related fugitive dust pursuant to SCAQMD Rule 403. The Project would also comply with the applicable provisions of the CARB Air Toxics Control Measure regarding idling limitations for diesel trucks reducing exhaust diesel particulate matter emissions. The Project would require the construction contractor(s) to comply with the applicable provisions of the CARB In-Use Off-Road Diesel Vehicle Regulation, which aims to reduce emissions through the installation of diesel particulate matter filters and encouraging the retirement, replacement, or repower of older, dirtier engines with newer emission-controlled models. The Project would require the contractors and vendors to comply with the applicable provisions of the CARB Truck and Bus regulation to reduce PM and NO_X emissions from existing diesel trucks. The Project incorporates landscaped open spaces and trees.

Recommendation	Analysis of Consistency
Policy 1.3.1: Minimize particulate emissions from construction sites.	**Consistent.** The Project would incorporate measures that would reduce particulate air pollutants from construction activity as described above under Objective 1.3.
Policy 1.3.2: Minimize particulate emissions from unpaved roads and parking lots associated with vehicular traffic.	**Consistent.** The Project would implement required control measures for construction-related fugitive dust pursuant to SCAQMD Rule 403, which would minimize particulate emissions from unpaved roads and parking lots associated with construction-related vehicular traffic. See also description under Objective 1.3.
Goal 2: Less reliance on single-occupant vehicles with fewer commute and non-work trips.	**Consistent.** The Project's land use characteristics would reduce trips and VMT due to its mixed-use design and increased density in an urban infill location within an identified Transit Priority Area, with nearby access to public transportation within a quarter-mile of the Project Site and its location in an area with access to multiple other destinations, including job centers, and retail uses. In addition, the Project would include on-site residential, and commercial/restaurant land uses which would serve the local community and reduce reliance on single-occupancy vehicles. The Project would also provide bicycle parking facilities to encourage alternative modes of transportation.
Objective 2.1: It is the objective of the City of Los Angeles to reduce work trips as a step towards attaining trip reduction objectives necessary to achieve regional air quality goals.	**Consistent.** The Project would be located within an identified Transit Priority Area within a quarter-mile of existing public transportation, including the Metro Red Line at the Metro Red Line Hollywood/Vine station, Metro Local Lines 180, 210, 212/312, 217, and 222, Metro Rapid Line 780, and LADOT DASH lines Hollywood, Beachwood Canyon, and Hollywood/Wilshire. The Project would provide access to on-site uses from existing pedestrian pathways. The Project would also provide bicycle parking facilities. These features would reduce work trips and encourage employees, residents and visitors to utilize alternative modes of transportation.
Policy 2.1.1: Utilize compressed work weeks and flextime, telecommuting, carpooling, vanpooling, public transit, and improve walking/bicycling related facilities in order to reduce vehicle trips and/or VMT as an employer and encourage the private sector to do the same to reduce work trips and traffic congestion.	**Consistent.** The Project would be located within a quarter-mile of existing public transportation, provide access to on-site uses from existing pedestrian pathways, provide bicycle parking facilities, and be wired for internet. These features would reduce work trips, encourage employees to utilize alternative modes of transportation including public transportation, walking, and bicycling, and allow for telecommuting.
Objective 2.2: It is the objective of the City of Los Angeles to increase vehicle occupancy for non-work trips by creating disincentives for single passenger vehicles, and incentives for high occupancy vehicles.	**Consistent.** While this action applies to the City of Los Angeles and is not applicable to the Project, the Project would be located within an identified Transit Priority Area within a quarter-mile of existing public transportation, (including the Metro Red Line at the Metro Red Line Hollywood/Vine station, Metro Local Lines 180, 210, 212/312, 217, and 222, Metro Rapid Line 780, and LADOT DASH lines Hollywood, Beachwood Canyon, and Hollywood/Wilshire. Furthermore, the Project's TDM Program (see Section IV.L, *Transportation,*

Recommendation	Analysis of Consistency
	of the Project's Draft EIR for more information) would include a variety of measures that would promote transit use by residents and employees through incentives. Example strategies of the Project's TDM Program include unbundling parking for residents, carpooling incentives for commercial tenants, and shuttle services for hotels. Refer to Section IV.L, *Transportation*, of the Project's Draft EIR, for information regarding the TDM Program.
Policy 2.2.1: Discourage single-occupant vehicle use through a variety of measures such as market incentive strategies, mode-shift incentives, trip reduction plans and ridesharing subsidies.	**Consistent.** The Project is proposed on an infill location and would incorporate pedestrian pathways and a Plaza that connect to the existing sidewalk network. The Project would also encourage the use of electric vehicles, as the Project design would provide for the installation of the conduit and panel capacity to accommodate future electric vehicle charging stations for a minimum of 30 percent of the Code-required parking spaces, with 10 percent of the Code-required spaces further improved with electric vehicle charging stations. The Project would provide bicycle parking spaces and facilities. In addition, the Project's land use characteristics, including Increased Density, Location Efficiency, Increased Land Use Diversity, Increased Destination Accessibility, and Increased Transit Accessibility, have been shown by CAPCOA to reduce VMT. In addition, as discussed previously, the Project would be located within an identified Transit Priority Area within a quarter-mile of existing public transportation, including the Metro Red Line at the Metro Red Line Hollywood/Vine station, Metro Local Lines 180, 210, 212/312, 217, and 222, Metro Rapid Line 780, and LADOT DASH lines Hollywood, Beachwood Canyon, and Hollywood/Wilshire.
Policy 2.2.2: Encourage multi-occupant vehicle travel and discourage single-occupant vehicle travel by instituting parking management practices.	**Consistent.** While this action applies to the City of Los Angeles and is not applicable to the Project, the Project would encourage the use of electric vehicles, as the Project design would provide for the installation of the conduit and panel capacity to accommodate future electric vehicle charging stations for a minimum of 30 percent of the Code-required parking spaces, with 10 percent of the Code-required spaces further improved with electric vehicle charging stations. Furthermore, the Project's TDM Program (see Section IV.L, *Transportation,* of the Project's Draft EIR for more information) would include a variety of measures that would promote transit use by residents and employees through incentives. Example strategies of the Project's TDM Program include unbundling parking for residents, carpooling incentives for commercial tenants, and shuttle services for hotels. Refer to Section IV.L, *Transportation*, of the Project's Draft EIR, for information regarding the TDM Program.
Goal 4: Minimize impact of existing land use patterns and future land use development on air quality by addressing the relationship between	**Consistent.** The Project would reduce trips and VMT due to its mixed-use design and increased density in an urban infill location within an identified Transit Priority Area, on-site amenities and commercial/restaurant uses, access to public transportation within a quarter-mile of the Project Site, and

Recommendation	Analysis of Consistency
land use, transportation, and air quality.	close proximity to multiple other destinations including job centers and retail uses. The Project would increase the residential density near public transportation options, which would allow people to live near places of employment, retail, and recreation. See the discussion of Project characteristics and the discussion regarding consistency with the 2016 AQMP, in Section IV.B, *Air Quality*, of the Project's Draft EIR.
Objective 4.1: It is the objective of the City of Los Angeles to include the regional attainment of ambient air quality standards as a primary consideration in land use planning.	**Consistent.** The Project would occupy an urban infill location within an identified Transit Priority Area in the Hollywood area. The Project would co-locate complementary residential and commercial land uses in proximity to existing job centers and retail uses. The Project would be located within a quarter-mile of existing public transportation. Air quality impacts would be less than significant and would not cause or contribute to an exceedance of the ambient air quality standards. The analysis of the Project's potential air quality impacts relies upon the numeric indicators established by the SCAQMD, which promote attainment of the ambient air quality standards. The Project's location and its land use characteristics would reduce land use planning-related air pollutant emissions, primarily mobile source emissions, consistent with the CAPCOA guidance document entitled *Quantifying Greenhouse Gas Mitigation Measures*, which provides emission reduction values for recommended strategies for reducing VMT and associated GHG and air pollutant emissions (refer to Section IV.E, *Greenhouse Gas Emissions*, of the Project's Draft EIR, for additional details regarding the Project Site land use characteristics and reductions in VMT, as estimated from the CAPCOA guidance document). As is also discussed above in Section IV.B, *Air Quality*, of the Project's Draft EIR, the Project's location and its land use characteristics are consistent with the land use and transportation control strategies identified in the 2016 RTP/SCS that are incorporated into the 2016 AQMP, and that are identified as reducing mobile source emissions, including criteria pollutant emissions (Refer to Section IV.B, *Air Quality*, of the Project's Draft EIR for additional details).
Policy 4.1.2: Ensure that project level review and approval of land use development remain at the local level.	**Consistent.** The environmental review and approval of the Project would occur at the local level.
Objective 4.2: It is the objective of the City of Los Angeles to reduce vehicle trips and VMT associated with land use patterns.	**Consistent.** The Project would reduce trips and VMT due to its mixed-use design and increased density in an urban infill location within an identified Transit Priority Area, access to public transportation within a quarter-mile of the Project Site, and proximity to employment and retail destinations. The Project would include on-site retail, restaurant, and residential land uses that would serve the local community and would be located within a quarter-mile of off-site commercial and residential uses. The Project would also provide bicycle parking facilities to encourage utilization of alternative modes of transportation. See the discussion of Project characteristics

Recommendation	Analysis of Consistency
	and the discussion regarding consistency with the 2016 AQMP, in Section IV.B, *Air Quality*, of the Project's Draft EIR.
Policy 4.2.2: Improve accessibility for the City's residents to places of employment, shopping centers and other establishments.	**Consistent.** The Project would provide residential, and commercial/restaurant uses in a compact urban infill location. The Project would add new residents as well as employment opportunities that are readily accessible via public and alternative forms of transportation including walking and bicycling. The Project would occupy an urban infill location within an identified Transit Priority Area with access to public transportation within a quarter-mile of the Project Site. The Project would be located within a quarter-mile of off-site commercial and residential uses. The Project would also provide bicycle parking facilities to encourage utilization of alternative modes of transportation.
Policy 4.2.3: Ensure that new development is compatible with pedestrians, bicycles, transit, and alternative fuel vehicles.	**Consistent.** The Project would provide bicycle parking facilities to encourage utilization of alternative modes of transportation. The Project would also provide access to on-site uses from existing pedestrian pathways. The Project would also provide infrastructure for electric vehicle charging stations and preferential parking for hybrid/electric vehicles. The Project design would provide for the installation of the conduit and panel capacity to accommodate future electric vehicle charging stations for a minimum of 30 percent of the Code-required parking spaces, with 10 percent of the Code-required spaces further improved with electric vehicle charging stations.
Policy 4.2.4: Require that air quality impacts be a consideration in the review and approval of all discretionary projects.	**Consistent.** The environmental review and potential approval of the Project include an analysis of air quality impacts.
Policy 4.2.5: Emphasize trip reduction, alternative transit and congestion management measures for discretionary projects.	**Consistent.** The Project incorporates characteristics that would reduce VMT and trips, encourage alternative modes of transportation, and incorporate congestion management. The Project proposes a mixed-use design and increased density in an urban infill location within an identified Transit Priority Area within a quarter-mile of existing public transportation, and would provide bicycle parking facilities to encourage alternative modes of transportation.
Goal 5: Energy efficiency through land use and transportation planning, the use of renewable resources and less polluting fuels, and the implementation of conservation measures including passive methods such as site orientation and tree planting.	**Consistent.** The Project would be designed and operated to meet or exceed the applicable requirements of the State of California Green Building Standards Code and the City of Los Angeles Green Building Code. In addition to providing infrastructure for hybrid/electric vehicles as described above, the Project would incorporate sustainability measures and performance standards including diverting mixed construction and demolition debris to City certified construction and demolition waste processors, consistent with the Los Angeles City Council approved Council File 09-3029, optimize energy performance and reduce building energy cost by 20 percent from the LEED baseline consistent with LEED requirements (equivalent to approximately 11.6 percent reduction from the

Recommendation	Analysis of Consistency
	2016 Title 24 standards)[24,25,26], and reducing water consumption by 40 percent for indoor water and 100 percent for outdoor water from the LEED usage baseline. The Project would include 53,102 square feet of outdoor common open space (47,471 square feet of outdoor common open space under the Project with the East Site Hotel Option). All of the open spaces areas would have extensive landscaping and well-detailed hardscape. The Project would also include 130 new trees on the West Site and 122 new trees on the East Site for 252 total trees, including street trees. Under both the Project and Project with the East Site Hotel Option, the East Building and West Building would both include landscaped areas that would include native plants, shrubs, perennials, and ground-cover. Both the West and East Sites would provide a large elevated garden for residents on the respective Level 2 amenity decks, outdoor amenity spaces with planting areas and canopy trees, and planting areas on the rooftop terraces for both Senior Buildings. Landscaping would be provided along the street edges and throughout the Project's open space areas and would utilize drought-tolerant native plants. The Project with East Site Hotel Option would provide the same amount of trees and landscaping across the Project Site (See Chapter II, *Project Description*, of the Project's Draft EIR for more information). New street trees would be consistent with the City's Bureau of Street Services, Urban Forestry Division standards.
Objective 5.1: It is the objective of the City of Los Angeles to increase energy efficiency of City facilities and private developments.	**Consistent.** As discussed above, the Project would be designed and operated to meet or exceed the applicable requirements of the State of California Green Building Standards Code and the City of Los Angeles Green Building Code.
Policy 5.1.2: Effect a reduction in energy consumption and shift to non-polluting sources of energy in its buildings and operations.	**Consistent.** As discussed above, the Project would be designed and operated to meet or exceed the applicable requirements of the State of California Green Building Standards Code and the City of Los Angeles Green Building Code.
Policy 5.1.4: Reduce energy consumption and associated air	**Consistent.** The Project would divert mixed construction and demolition debris to City certified construction and demolition waste processors, consistent with the Los Angeles City Council

24 United States Department of Energy, ANSI/ASHRAE/IES Standard 90.1-2013 Determination of Energy Savings: Quantitative Analysis, 2014.

25 Energy Star, The Difference Between Source and Site Energy, https://www.energystar.gov/buildings/facility-owners-and-managers/existing-buildings/use-portfolio-manager/understand-metrics/difference, accessed February 27, 2020.

26 The Project's building energy optimization credit through GHG-PDF-1 represents a larger reduction than compliance with the 2019 Title 24 Standards, where electricity would be reduced by approximately 2% and natural gas would be reduced by approximately 5% as compared to 2016 Title 24 Standards. Therefore, the Project would be consistent with and better than the 2019 Title 24 Standards through GHG-PDF-1. Refer to: California Energy Commission, Impact Analysis, 2019 Update to the California Energy Efficiency Standards for Residential and Non-Residential Buildings, Section 1.2 (Non-Residential), Table 19 (Multi-Family without PV), June 29, 2018. January 2020.

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emissions by encouraging waste reduction and recycling.	approved Council File 09-3029. The Project would also provide space for the collection and storage of recyclables such as paper, cardboard, glass, plastic, and metals.
Objective 5.3: It is the objective of the City of Los Angeles to reduce the use of polluting fuels in stationary sources.	**Consistent.** As discussed above, the Project would be designed and operated to meet or exceed the applicable requirements of the State of California Green Building Standards Code and the City of Los Angeles Green Building Code.
Policy 5.3.1: Support the development and use of equipment powered by electric or low-emitting fuels.	**Consistent.** As discussed above, the Project would be designed and operated to meet or exceed the applicable requirements of the State of California Green Building Standards Code and the City of Los Angeles Green Building Code.
SOURCE: ESA, 2019.	

The Project's GHG emissions are evaluated by comparing the Project to applicable GHG reduction strategies and local actions approved or adopted by CARB, SCAG, and the City.

In the latest State CEQA Guidelines amendments that went into effect on March 18, 2010, lead agencies are encouraged to make use of programmatic mitigation plans and programs from which to tier when they perform individual project analyses. As discussed in Section IV.E, *Greenhouse Gas Emissions*, of the Project's Draft EIR, the City has established goals and actions to reduce the emission of GHGs from both public and private activities in the L.A.'s Green New Deal (Sustainability pLAn 2019). While the City does not have a programmatic mitigation plan to tier from, such as a Greenhouse Gas Emissions Reduction Plan as recommended in the relevant amendments to the State CEQA Guidelines, the City has adopted the L.A.'s Green New Deal (Sustainability pLAn 2019) and LA Green Building Code, which encourage and require applicable projects to implement energy efficiency measures. In addition, the CCAT Report provides recommendations for specific emission reduction strategies for reducing GHG emissions and reaching the targets established in HSC Division 25.5 and Executive Order S-3-05. Thus, if a project is designed in accordance with these policies and regulations, it would result in a less than significant impact, because it would be consistent with the overarching State regulations on GHG reduction (HSC Division 25.5).

c) Construction Toxic Air Contaminants and Health Risk Assessment

The greatest potential for TAC emissions during construction would be related to DPM emissions associated with the operation of heavy-duty equipment during excavation and grading activities. Construction activities associated with the Project would be sporadic, transitory, and short-term in nature (approximately 22 months). The SCAQMD has not

adopted guidance requiring that quantitative health risk assessments (HRAs) be performed for short-term exposures to TAC emissions. The SCAQMD also has not formally adopted guidance that establishes a methodology for performing HRAs or that requires Lead Agencies to use the 2015 OEHHA guidance manual when assessing short-term TAC exposures from construction emissions for CEQA analyses. Specifically, the SCAQMD states that "SCAQMD currently does not have guidance on construction Health Risk Assessments" and does not apply the 2015 OEHHA update to construction.[27] Furthermore, with respect to the 2015 OEHHA guidance, in comments presented to its Governing Board (Board Meeting Date: June 5, 2015, Agenda No. 28) relating to TAC exposures associated with Rules 1401, 1401.1, 1402 and 212 revisions, with regard to the use of the revised OEHHA guidelines for projects subject to CEQA, SCAQMD staff reported that:[28]

> *The Proposed Amended Rules are separate from the CEQA significance thresholds. Per the Response to Comments Staff Report PAR 1401, 1401.1, 1402, and 212 A—(8 June 2015), SCAQMD staff is currently evaluating how to implement the Revised OEHHA Guidelines under CEQA. The SCAQMD staff will evaluate a variety of options on how to evaluate health risks under the Revised OEHHA Guidelines under CEQA. The SCAQMD staff will conduct public workshops to gather input before bringing recommendations to the Governing Board. In the interim, staff will continue to use the previous guidelines for CEQA determinations.*

To date, the SCAQMD has not conducted public workshops nor developed policy relating to the applicability of applying the revised 2015 OEHHA guidance for projects prepared by other public/lead agencies subject to CEQA or for mixed-use residential and commercial projects, such as the proposed Project.

Therefore, in accordance with the methodology supported by the SCAQMD prior to the 2015 OEHHA guidance, a qualitative assessment of the potential impacts associated with the Project's short-term construction TAC emissions was undertaken.

The Project Site is located in close proximity to sensitive air quality receptors. Air quality sensitive land uses nearest to the Project Site include the following:

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27 South Coast Air Quality Management District, Final Environmental Assessment for: Proposed Amended Rule 307.1 – Alternative Fees for Air Toxics Emissions Inventory; Proposed Amended Rule 1401 – New Source Review of Toxic Air Contaminants; Proposed Amended Rule 1402 – Control of Toxic Air Contaminants from Existing Sources; SCAQMD Public Notification Procedures for Facilities Under the Air Toxics "Hot Spots" Information and Assessment Act (AB 2588) and Rule 1402; and, SCAQMD Guidelines for Participating in the Rule 1402 Voluntary Risk, p. 2-23, September 2016, http://www.aqmd.gov/docs/default-source/ceqa/documents/aqmd-projects/2016/final-ea_par-307-1_1401_1402.pdf?sfvrsn=4. Accessed August 2019.

28 South Coast Air Quality Management District, Board Meeting Date: June 5, 2015, Agenda No. 28, Proposed Amended Rules 1401 – New Source Review of Toxic Air Contaminants, 1401.1 – Requirements for New and Relocated Facilities Near Schools, Rule 1402 – Control of Toxic Air Contaminants from Existing Sources, and 212 – Standards for Approving Permits and Issuing Public Notice, 2015.

1. Multi-family residential uses along Ivar Avenue and north of Yucca Street, approximately 170 feet from the West Site and 350 feet from the East Site construction area.

2. Argyle House (apartments) at the southwest corner of Yucca Street and Argyle Avenue, approximately 300 feet from the West Site and adjacent to the East Site construction area.

3. Multi-family residential uses to the east of Argyle Avenue, approximately 530 feet from the West Site and 80 feet from the East Site construction area.

4. American Music and Dramatic Academy (AMDA) Vine Building[29] immediately adjacent to the West Site and approximately 220 feet from the East Site construction area.

5. The AMDA Tower Building[30] is located on the northwest corner of Yucca Street and Vine Street and approximately 100 feet from the West Site and 400 feet from the East Site construction area.

6. Eastown multi-family residential uses to the east of Argyle Avenue, approximately 530 feet from the West Site and 80 feet from the East Site construction area.

7. The Lofts (Hollywood Equitable Building) at Hollywood Boulevard and Vine Street, which includes multi-family residential uses to the east of Vine Street, approximately 280 feet southeast of the West Site and 100 feet south of the East Site construction area.

8. The Knickerbocker Senior Residential use to the east of Ivar Avenue, approximately 90 feet south of the West Site and 300 feet west of the East Site construction area.

9. Multi-family residential uses to the west of Ivar Avenue, approximately 140 feet west of the West Site and 650 feet west of the East Site construction area.

All other air quality-sensitive uses are located at greater distances from the Project Site and would experience lower air pollutant impacts from potential sources of pollutants from the Project Site due to atmospheric dispersion effects.

Given the close proximity of air quality sensitive receptors in all cardinal directions to the Project Site, a refined quantitative construction HRA was prepared to further evaluate the Project's potential to result in health risk impacts to these surrounding sensitive air quality

29 While AMDA is not a pre-school, elementary, middle, or high school, the AMDA admissions policy indicates they accept applications from juniors and seniors in high school. Given the location of the AMDA Vine Building in proximity to the West Site and East Site, the AMDA Vine Building is included as a sensitive receptor for the purposes of the air quality analysis for this Project.

30 While AMDA is not a pre-school, elementary, middle, or high school, the AMDA admissions policy indicates they accept applications from juniors and seniors in high school. Given the location of the AMDA Tower Building in proximity to the Project West Site and East Site, the AMDA Tower Building is included as a sensitive receptor for the purposes of the air quality analysis for this Project.

receptors. The construction HRA was performed through a refined dispersion modeling approach using the USEPA/AMS Regulatory Model (AERMOD). Consistent with SCAQMD recommendations, AERMOD was run using the urban dispersion modeling parameter.[31] Meteorological data from the SCAQMD's Central Los Angeles monitoring station within Source-Receptor Area (SRA) 1 was used to represent local weather conditions and prevailing winds data. The SCAQMD provides AERMOD-ready meteorological data files at this location for years 2010, 2011, 2014, 2015, and 2016. Terrain data from the U.S. Geological Survey was used to assign elevations to modeled emissions sources and modeled receptor locations. The emission sources were characterized as volume sources within AERMOD. Volume sources for the on-site heavy-duty construction equipment were placed throughout the entire Project Site boundary. Volume sources for the trucks were placed on the truck route within approximately 0.25-miles radius of the Project Site boundary. Cartesian grid receptor points were placed within AERMOD at sensitive receptor locations discussed above in consideration of the proximity of the sensitive receptors to the Project Site and their potential to result in maximum impacts for sensitive air quality receptors. The receptors points were spaced 5 meters apart, which is consistent with SCAQMD dispersion modeling recommendations.[32]

Construction TAC emissions were modeled based on emissions from the CalEEMod software, which reports DPM exhaust emissions from diesel-fueled construction equipment as PM10 and PM2.5, as DPM consists of PM10 and PM2.5. In addition, haul and vendor truck emissions were estimated using the CARB on-road vehicle emissions factor (EMFAC2017) model to generate PM10 exhaust emission factors for medium- and heavy-duty trucks. Documentation from CARB indicates that DPM exhaust consists of 92 percent PM2.5 and 100 percent PM10 (PM2.5 is a subset of PM10).[33] Therefore, for the purposes of this analysis, the PM10 construction exhaust emissions from CalEEMod and EMFAC2017 were used in this analysis.

As discussed previously, the SCAQMD does not require land use development projects to prepare quantitative construction HRAs and therefore has no guidance on the preparation of construction HRAs.[34] Thus, health risk calculations were used from

[31] South Coast Air Quality Management District, Modeling Guidance for AERMOD, Urban Dispersion Option, http://www.aqmd.gov/home/air-quality/meteorological-data/modeling-guidance. Accessed March 2020.

[32] South Coast Air Quality Management District, Modeling Guidance for AERMOD, Urban Dispersion Option, http://www.aqmd.gov/home/air-quality/meteorological-data/modeling-guidance. Accessed March 2020.

[33] California Air Resources Board, Speciation Profiles Used in ARB Modeling, PMSIZE (Excel)-Particle size fraction data for source categories, PM Profile Number 425 (Diesel Vehicle Exhaust), https://www.arb.ca.gov/ei/speciate/speciate.htm. Accessed August 3, 2018.

[34] South Coast Air Quality Management District, Final Environmental Assessment for: Proposed Amended Rule 307.1 – Alternative Fees for Air Toxics Emissions Inventory; Proposed Amended Rule 1401 – New Source Review of Toxic Air Contaminants; Proposed Amended Rule 1402 – Control of Toxic Air Contaminants from Existing Sources; SCAQMD Public Notification Procedures for Facilities Under the Air Toxics "Hot Spots" Information and Assessment Act (AB 2588) and Rule 1402; and, SCAQMD Guidelines for Participating in the Rule 1402 Voluntary Risk, page 2-23, September 2016, http://www.aqmd.gov/docs/default-source/ceqa/documents/aqmd-projects/2016/final-ea_par-307-1_1401_1402.pdf?sfvrsn=4. Accessed August 23, 2018.

available SCAQMD stationary source permitting guidance documents and stationary source risk assessment procedures normally used to evaluate health risk impacts from long-term operations for stationary source facility permit projects in which the SCAQMD is the lead agency. While the SCAQMD is not the lead agency for this Project, the SCAQMD risk assessment procedures provide a uniform approach for evaluating health risks. Health risk calculations were performed using the following 2003 OEHHA methodology and associated SCAQMD exposure parameters. As stated above, the SCAQMD has not held public workshops nor adopted policies relating to the applicability of applying the revised 2015 OEHHA guidance for projects prepared by other public/lead agencies subject to CEQA or for mixed-use residential and commercial projects, such as the proposed Project. Thus, the 2003 OEHHA methodology and associated SCAQMD Risk Assessment Procedures continues to be used for CEQA determinations.[35,36,37]

The health risk impacts using the OEHHA 2003 Guidance Manual and SCAQMD Risk Assessment Procedures are calculated as follows:

Equation 1: $\text{Risk} = \text{Dose} \times \text{Cancer Potency Factor}$

where:

Equation 2: $\text{Dose} = C_{AIR} \times DBR \times A \times EF \times ED \times EVF \times 10^{-6} / AT$

where:

C_{AIR} = concentration in microgram per cubic meter (averaged over the exposure duration)

DBR = breathing rate in liter per kilogram of body weight per day

A = inhalation absorption factor (1 for DPM)

EF = exposure frequency in days per year

ED = exposure duration in years

[35] South Coast Air Quality Management District, Board Meeting Date: June 5, 2015, Agenda No. 28, Proposed Amended Rules 1401 – New Source Review of Toxic Air Contaminants, 1401.1 – Requirements for New and Relocated Facilities Near Schools, Rule 1402 – Control of Toxic Air Contaminants from Existing Sources, and 212 – Standards for Approving Permits and Issuing Public Notice, 2015.

[36] Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program Risk Assessment Guidelines, The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments, August 2003, https://oehha.ca.gov/media/downloads/crnr/hrafinalnoapp.pdf. Accessed August 29, 2018.

[37] South Coast Air Quality Management District, Risk Assessment Procedures for Rules 1401 and 212, Appendix L, Version 7.0, revised June 5, 2012, http://www.aqmd.gov/docs/default-source/planning/risk-assessment/risk-assessment-procedures-v-7.pdf?sfvrsn=4, http://www.aqmd.gov/docs/default-source/planning/risk-assessment/attachment-l.pdf?sfvrsn=4. Accessed August 29, 2018.

EVF = Exposure Value Factor (unitless)

AT = averaging time period over which exposure is averaged in days (25,550 days for 70 years)

Potential non-cancer effects of chronic (i.e., long term) exposures were evaluated using the Hazard Index approach. This evaluation is generally similar under both the OEHHA 2003 Guidance Manual and the 2015 Guidance Manual and associated SCAQMD risk assessment procedures. The Hazard Index is calculated by dividing the maximum modeled concentration of a TAC at the maximum impacted sensitive receptor by the Reference Exposure Level (REL). The REL is the concentration at or below which no adverse non-cancer health effects are known or expected to occur for that TAC. Therefore, a Hazard Index of less than 1.0 means that the maximum impacted sensitive receptor would be exposed to TAC concentrations at a level in which adverse non-cancer health effects would not be known or expected to occur. The chronic REL for DPM is 5 micrograms per cubic meter and the chronic hazard index target organ for DPM is the respiratory system.[38] Non-cancer health impacts for DPM are associated with chronic (annual) exposures. A hazard index equal to or greater than 1.0 represents a significant chronic health hazard.

[38] California Air Resources Board, "Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values" and "OEHHA/ARB Approved Chronic Reference Exposure Levels and Target Organs," Tables last updated May 8, 2018, http://www.arb.ca.gov/toxics/healthval/healthval.htm. Accessed June 1, 2018.

Hollywood Center Project

2. Air Quality Worksheets

Air Quality Calculation Worksheets and Model Outputs

1. Modeling Assumptions and Emissions Modeling Inputs

2. Emissions Modeling Outputs and Calculations

a) Construction

(1) Unmitigated

- West Site
- East Site

(2) Mitigated

- West Site
- East Site

b) Operations

(1) Unmitigated

- West Site
- East Site

(2) Mitigated

Hollywood Center Project

2. Air Quality Worksheets

Air Quality Calculation Worksheets and Model Outputs

1. Modeling Assumptions and Emissions Modeling Inputs

Hollywood Center Project
Air Quality and Greenhouse Gas Assessment

last update: 3/1/2019 Based on AECOM Tishman, 2018; Millennium Partners, 2018; ESA, 2018.

Construction Schedule and Vehicle Data

CalEEMod Construction Phase	Start Date	End Date	Number of Work Days (up to 6 days/week)	Max Daily Number of Workers	Max Daily Inbound + Outbound Worker Trips	Number of Hauling Days	Materia/ Soil Export (CY)	Materia/ Soil Import (CY)	Truck Capacity (CY)	Max Daily Number of Trucks	Max Daily Inbound + Outbound Truck Trips	Distance to Disposal Site (miles) *(Distance to Irwindale disposal site)*	Number of Concrete Truck Days	Concrete Mat Volume (CY)	Concrete Truck Capacity (CY)	Max Daily Number of Concrete Trucks	Max Daily Inbound + Outbound Concrete Truck Trips	Distance to Concrete Supply Site (miles) *(Used average distance of the 4 identified concrete sites)*	Max Daily Number of Delivery/ Vendor Trucks	Max Daily Inbound + Outbound Delivery/ Vendor Truck Trips
Project																				
WEST SITE																				
Demolition	1/4/2021	3/1/2021	49	6	12	2	912	-	14	**33**	**66**	30								
Site Preparation	2/1/2021	2/28/2021	24	12	24															
Grading/Excavation	2/11/2021	1/2/2022	279	112	224	209	281,370	-	14	**96**	**192**	30								
			258	112	224	209	281,370	-	20	**96**	**192**	30								
			137			88														
Foundations/Concrete Pour (Revised) [MHW104: Foundation]	*1/3/2022*	*2/28/2022*	*49*	*125*	*250*															
Shoring Wall													*19*			*10*	*20*	*7.5*		
Cast in Drilled Hole Foundation								*Assume overlap with Shoring Wall to keep within phase schedule -->*					*41*			*2*	*4*	*7.5*		
Mat Foundation (Continuous Pour)													*1*	*853*	*9 (approx.)*	***94***	***188***	*7.5*		
Column Footings													*4*			*21*	*42*	*7.5*		
Utilities/Trenching (Revised) [MHD101: Relocate/Protect Site Utilities]	*1/14/2021*	*2/3/2021*	*18*	*6*	*12*															
Building Construction (Revised) [Starting with MHW111: Parking Str.]	*3/1/2022*	*3/14/2024*	*639*	*300*	*600*														*25*	*50*
	3/1/2022	*7/15/2022*	*118*																	
Structure Equipment Garage	*3/1/2022*	*4/29/2022*	*52*										*52*			***42***	***84***	*7.5*		
Structure Equipment Tower	*4/30/2022*	*6/17/2022*	*42*										*42*			*21*	*42*	*7.5*		
Structure Equipment Affordable	*6/18/2022*	*7/13/2022*	*22*										*22*			*24*	*48*	*7.5*		
Retail	*7/14/2022*	*7/15/2022*	*2*										*2*			*14*	*28*	*7.5*		
Paving (Revised) [MHW112: Hardscape & Landscape]	*7/6/2023*	*10/2/2023*	*76*	*12*	*24*															
Architectural Coatings (Revised) [MHW109: Interior Finish]	*10/25/2022*	*1/31/2024*	*398*	*8*	*16*															
WEST SITE MAX DAILY WORKERS (Building + Paving + Architectural Coating):				**320**	**640**															
EAST SITE																				
Site Preparation	3/1/2022	3/31/2022	27	12	24	2	704	-	14	26	52	30								
Grading/Excavation	3/15/2022	1/10/2023	259	112	224	194	260,930	-	14	**96**	**192**	30								
Foundations/Concrete Pour (Revised) [MHE104: Foundation]	*1/11/2023*	*2/26/2023*	*40*	*124*	*248*															
Shoring Wall	*1/11/2023*	*2/14/2023*	*30*										*16*			*10*	*20*	*7.5*		
Cast in Drilled Hole Foundation								*Assume overlap with Shoring Wall to keep within phase schedule -->*					*30*			*2*	*4*	*7.5*		
Mat Foundation (Continuous Pour)	*2/15/2023*	*2/15/2023*	*1*										*1*	*632*	*9 (approx.)*	***71***	***142***	*7.5*		
Column Footings	*2/16/2023*	*2/20/2023*	*4*										*4*			*21*	*42*	*7.5*		
Utilities/Trenching (Revised) [MHD101: Relocate/Protect Site Utilities]	*3/15/2022*	*3/26/2022*	*11*	*6*	*12*															
Building Construction (Revised) [Starting with MHE111: Parking Str.]	*2/27/2023*	*6/22/2025*	*726*	*300*	*600*														*25*	*50*
	2/27/2023	*9/1/2023*	*161*																	
Structure Equipment Garage	*2/27/2023*	*5/4/2023*	*58*										*58*			***44***	***88***	*7.5*		
Structure Equipment Tower	*5/5/2023*	*8/8/2023*	*82*										*82*			*20*	*40*	*7.5*		
Structure Equipment Affordable	*8/9/2023*	*8/29/2023*	*18*										*18*			*18*	*36*	*7.5*		
Retail	*8/30/2023*	*9/1/2023*	*3*										*3*			*30*	*60*	*7.5*		
Paving (Revised) [MHE112: Hardscape & Landscape]	*7/12/2024*	*10/10/2024*	*78*	*12*	*24*															
Architectural Coatings (Revised) [MHE109: Interior Finish]	*10/14/2023*	*1/23/2025*	*401*	*8*	*16*															
EAST SITE MAX DAILY WORKERS (Building + Paving + Architectural Coating):				**320**	**640**															

MAXIMUM POTENTIAL OVERLAP (EAST SITE BEGINS AFTER GRADING/EXCAVATION and FOUNDATIONS OF WEST SITE)

	Number of Vehicles	Inbound + Outbound Trips
WORKERS	640	1,280
TRUCKS (HAUL AND/OR CONCRETE)	163	326

Hollywood Center Project Last Updated 3/1/2019
Air Quality and Greenhouse Gas Assessment

Table 1. Land Use and California Emissions Estimator Model (CalEEMod) Inputs

Land Use	CalEEMod Land Use Type	CalEEMod Land Use SubType	Value	Unit	Value	Unit	Land Size	
Proposed Project								
WEST SITE								
Senior Affordable Residential							Acre	
	Residential	Apartments Mid Rise	68	DU	67,705	sf	0.2	
Residential - Mixed Use High Rise	Residential	Condos/Townhouse High Rise	449	DU	581,464	sf	0.5	
Total Residential			517	DU	649,169	sf	0.7	
Recreational	Commercial	Fastfood Restaurant w/o Drive Thru	1.983	ksf	1,983	sf	0.1	
Recreational	Commercial	High Turnover Restaurant	11.237	ksf	11,237	sf	0.1	
Total Restaurant			13.220	ksf	13,220	sf		
Residential Common Space	Commercial	General Office Building	41.6	ksf	41,600	sf	0.1	
Senior Common Space	Commercial	General Office Building	3.974	ksf	3,974	sf		
Mixed Use Common Space	Commercial	General Office Building	37.626	ksf	37,626	sf		
Parking Enclosed	Parking	Enclosed Parking With Elevator	837	spaces	432,956	sf	0.5	
					1,136,945	sf		
Public Common Space	Recreational	City Park	34.205	ksf	34,205	sf	0.1	
Sidewalk	Parking	User Defined Parking	5.163	ksf	5,163	sf	0.223	
Private Balconies	Parking	Other Non-Asphalt Surface	22.45	ksf	22,450	sf	0.1	
						Total	1.923 acre	83,792 sf
East Site								1.923 acres
Senior Affordable Residential							Acre	
	Residential	Apartments Mid Rise	65	DU	67,149	sf	0.3	
Residential - Mixed Use High Rise	Residential	Apartments High Rise	423	DU	575,100	sf	0.95	
Total Residential	Residential	Apartments High Rise	488	DU	642,249	sf	1.25	
Retail	Commercial	Fastfood Restaurant w/o Drive Thru	2.732	ksf	2,732	sf	0.1	
Retail	Commercial	High Turnover Restaurant	15.482	ksf	15,482	sf	0.1	
Total Restaurant			18.214	ksf	18,214	sf		
Residential Common Space	Commercial	General Office Building	32.665	ksf	32,665	sf	0.1	
Senior Common Space	Commercial	General Office Building	4.211	ksf	4,211	sf		
Mixed Use Common Space	Commercial	General Office Building	28.454	ksf	28,454	sf		
Parking Enclosed	Parking	Enclosed Parking With Elevator	684	spaces	353,824	sf	0.8	
					1,046,952	total		
Public Common Space	Recreational	City Park	35.3	ksf	35,300	sf	0.1	
Level 1 Vine/Argyle Street	Recreational	City Park	22.3	ksf	22,300	sf		
Amenity Deck	Recreational	City Park	8.2	ksf	8,200	sf		
Senior Affordable Roof Deck	Recreational	City Park	4.8	ksf	4,800	sf		
Sidewalk	Parking	User Defined Non-Asphalt	1.627	ksf	1,627	sf	0.139	
Private Balconies	Parking	Other Non-Asphalt Surface	21.2	ksf	21,150	sf	0.1	
						Total	2.689 acre	117,133 sf
								2.689 acres

Source: Handel Architects, 2018 - 18404 HC All Res Option Data Spreadsheet
Restaurant uses were scaled to match traffic study where 15% of trips go to Fastfood Restaurant w/o drive thru and 85% go to High Turnover Restaurant
Private Balconies and sidewalk values are from Section II, *Project Description* of Project EIR

Hollywood Center Project Last Updated 3/1/2019
Air Quality and Greenhouse Gas Assessment

Table 1. Land Use and California Emissions Estimator Model (CalEEMod) Inputs

Land Use	CalEEMod Land Use Type	CalEEMod Land Use SubType	Value	Unit	Value	Unit	Land Size	
Proposed Project								
WEST SITE								
Senior Affordable Residential							Acre	
	Residential	Apartments Mid Rise	68	DU	67,705	sf	0.2	
Residential - Mixed Use High Rise	Residential	Condos/Townhouse High Rise	449	DU	581,464	sf	0.5	
Total Residential			517	DU	649,169	sf	0.7	
Recreational	Commercial	Fastfood Restaurant w/o Drive Thru	1.983	ksf	1,983	sf	0.1	
Recreational	Commercial	High Turnover Restaurant	11.237	ksf	11,237	sf	0.1	
Total Restaurant			13.220	ksf	13,220	sf		
Residential Common Space	Commercial	General Office Building	41.6	ksf	41,600	sf	0.1	
Senior Common Space	Commercial	General Office Building	3.974	ksf	3,974	sf		
Mixed Use Common Space	Commercial	General Office Building	37.626	ksf	37,626	sf		
Parking Enclosed	Parking	Enclosed Parking With Elevator	837	spaces	432,956	sf	0.5	
					1,136,945	sf		
Public Common Space	Recreational	City Park	34.205	ksf	34,205	sf	0.1	
Sidewalk	Parking	User Defined Parking	5.163	ksf	5,163	sf	0.223	
Private Balconies	Parking	Other Non-Asphalt Surface	22.45	ksf	22,450	sf	0.1	
						Total	1.923 acre	83,792 sf
East Site								1.923 acres
Senior Affordable Residential							Acre	
	Residential	Apartments Mid Rise	48	DU	51,898	sf	0.3	
Hotel	Recreational	Hotel	220	DU	141,606	sf	0.3	
Residential - Mixed Use High Rise	Residential	Apartments High Rise	319	DU	444,100	sf	0.65	
Total Residential	Residential	Apartments High Rise	367	DU	495,998	sf	0.95	
Retail	Commercial	Fastfood Restaurant w/o Drive Thru	2.732	ksf	2,732	sf	0.1	
Retail	Commercial	High Turnover Restaurant	15.482	ksf	15,482	sf	0.1	
Total Restaurant			18.214	ksf	18,214	sf		
Residential Common Space	Commercial	General Office Building	21.648	ksf	21,648	sf	0.1	
Senior Common Space	Commercial	General Office Building	3.8	ksf	3,800	sf		
Mixed Use Common Space	Commercial	General Office Building	17.848	ksf	17,848	sf		
Parking Enclosed	Parking	Enclosed Parking With Elevator	684	spaces	353,824	sf	0.8	
					1,031,290	total		
Public Common Space	Recreational	City Park	35.3	ksf	35,300	sf	0.1	
Level 1 Vine/Argyle Street	Recreational	City Park	22.3	ksf	22,300	sf		
Amenity Deck	Recreational	City Park	8.2	ksf	8,200	sf		
Senior Affordable Roof Deck	Recreational	City Park	4.8	ksf	4,800	sf		
Sidewalk	Parking	User Defined Non-Asphalt	1.627	ksf	1,627	sf	0.139	
Private Balconies	Parking	Other Non-Asphalt Surface	16.0	ksf	15,950	sf	0.1	
						Total	2.689 acre	117,133 sf
								2.689 acres

Source: Handel Architects, 2018 - 18404 HC Hotel Option Data Spreadsheet
Restaurant uses were scaled to match traffic study where 15% of trips go to Fastfood Restaurant w/o drive thru and 85% go to High Turnover Restaurant
Private Balconies and sidewalk values are from Section II, *Project Description* of Project EIR

Hollywood Center Project
Air Quality and Greenhouse Gas Assessment - Construction Assumptions

Off-Road Heavy-Duty Construction Equipment - West Site

Construction Phase	Heavy-Duty Equipment	No. of Heavy-Duty Equipment	Project Hours of Operation/Day Per Equipment	Hours of Operation/Week Per Equipment	Notes/Comments
Demolition	Air Compressors	1	8	48	
	Concrete/Industrial Saws	2	8	48	
	Dumpers/Tenders	1	8	48	
	Excavator	1	8	48	
	Jackhammers (generator)	1	8	48	Powered by generator
	Rubber Tired Loaders	1	8	48	
Site Preparation	Excavator	1	8	48	
	Rubber Tired Loaders	1	8	48	
Grading/Excavation	Dumper/Tenders	2	8	48	
	Excavator	4	8	48	
	Plate Compactor	2	8	48	
	Rubber Tired Loaders	2	8	48	
	Tractors/Loaders/Backhoes	1	8	48	
	Bore/Drill Rigs	1	8	48	
Drainage/Utilities/Trenching	Air Compressors	1	8	48	
	Concrete/Industrial Saws	1	8	48	
	Cranes	1	8	48	
	Tractors/Loaders/Backhoes	1	8	48	
Foundation/Concrete Pour	Air Compressors	1	8	48	
	Cranes	1	8	48	
	Dumpers/Tenders	2	8	48	
	Forklifts	1	8	48	
	Jackhammers (generator)	1	8	48	Powered by generator
	Pumps	2	14	84	Run separately (1 day)
	Tractors/Loaders/Backhoes	1	8	48	
Building Construction	Air Compressors	1	8	48	
	Bore/Drill Rigs	1	8	48	
	Cranes	2	8	48	
	Dumpers/Tenders	2	8	48	
	Forklifts	1	8	48	
	Jackhammers (generator)	1	8	48	Powered by generator
	Pumps	1	8	48	
	Tractors/Loaders/Backhoes	1	8	48	
Paving	Concrete/Industrial Saws	1	8	48	
	Graders	1	8	48	
	Pavers	1	8	48	
	Paving Equipment	1	8	48	
	Plate Compactor	1	8	48	
	Rollers	1	8	48	
	Surfacing Equipment	1	8	48	
	Sweepers/Scrubbers	1	8	48	
Architectural Coating	Air Compressor	1	8	48	
	Dumpers/Tenders	1	8	48	
	Forklifts	1	8	48	

Source: Millenium Partners, 2018; ESA, 2018

Hollywood Center Project
Air Quality and Greenhouse Gas Assessment - Construction Assumptions

Off-Road Heavy-Duty Construction Equipment - East Site

Construction Phase	Heavy-Duty Equipment	No. of Heavy-Duty Equipment	Project Hours of Operation/Day Per Equipment	Hours of Operation/Week Per Equipment	Notes/Comments
Site Preparation	Excavator	1	8	48	
	Rubber Tired Loaders	1	8	48	
Grading/Excavation	Dumper/Tenders	2	8	48	
	Excavator	4	8	48	
	Plate Compactor	2	8	48	
	Rubber Tired Loaders	2	8	48	
	Tractors/Loaders/Backhoes	1	8	48	
	Bore/Drill Rig	1	8	48	
Drainage/Utilities/Trenching	Air Compressors	1	8	48	
	Concrete/Industrial Saws	1	8	48	
	Cranes	1	8	48	
	Tractors/Loaders/Backhoes	1	8	48	
Foundation/Concrete Pour	Air Compressors	1	8	48	
	Cranes	1	8	48	
	Dumpers/Tenders	2	8	48	
	Forklifts	1	8	48	
	Jackhammers (generator)	1	8	48	Powered by generator
	Pumps	2	11	66	Run separately (1 day)
	Tractors/Loaders/Backhoes	1	8	48	
Building Construction	Air Compressors	1	8	48	
	Bore/Drill Rigs	1	8	48	
	Cranes	2	8	48	
	Dumpers/Tenders	2	8	48	
	Forklifts	1	8	48	
	Jackhammers (generator)	1	8	48	Powered by generator
	Pumps	1	8	48	
	Tractors/Loaders/Backhoes	1	8	48	
Paving	Concrete/Industrial Saws	1	8	48	
	Graders	1	8	48	
	Pavers	1	8	48	
	Paving Equipment	1	8	48	
	Plate Compactor	1	8	48	
	Rollers	1	8	48	
	Surfacing Equipment	1	8	48	
	Sweepers/Scrubbers	1	8	48	
Architectural Coating	Air Compressor	1	8	48	
	Dumpers/Tenders	1	8	48	
	Forklifts	1	8	48	

Source: Millenium Partners, 2018; ESA, 2018

Hollywood Center Project

2. Air Quality Worksheets

Air Quality Calculation Worksheets and Model Outputs

2. Emissions Modeling Outputs and Calculations

a) Construction

(1) Unmitigated

- West Site
- East Site

(2) Mitigated

- West Site
- East Site

Hollywood Center

Air Quality Construction Analysis

Unmitigated

Regional Maximums Source	ROG	NOX	CO	SO2	PM10 Total	Total PM2.5
	lb/day					
West Site						
Demolition - 2021	2.87	39.36	22.68	0.10	3.22	1.76
Utilities/Trenching - 2021	1.28	11.82	10.75	0.03	0.74	0.62
Site Preparation - 2021	0.59	6.08	5.72	0.01	0.54	0.29
Grading - 2021	4.77	86.06	40.19	0.26	9.67	4.00
Grading - 2022	2.15	19.07	28.52	0.07	3.33	1.39
Foundations/Concrete Pour - 2022 (Shoring Wall + Cast in Drilled Hole Foundation)	1.62	14.87	20.42	0.06	3.60	1.41
Foundations/Concrete Pour - 2022 (Mat Foundation)	1.82	23.74	24.83	0.09	4.69	1.73
Foundations/Concrete Pour - 2022 (Column Footings)	1.66	16.09	20.77	0.06	3.73	1.45
Building Construction - 2022 (Structure Equipment Garage)	3.06	32.41	41.85	0.15	8.71	3.10
Building Construction - 2022 (Structure Equipment Tower)	2.96	29.56	41.02	0.14	8.41	3.01
Building Construction - 2022 (Structure Equipment Affordable)	2.98	29.97	41.14	0.14	8.45	3.02
Building Construction - 2022 (Retail)	2.93	28.61	40.75	0.13	8.31	2.97
Building Construction - 2022	2.87	26.71	40.20	0.12	8.11	2.91
Building Construction - 2023	2.63	24.06	38.38	0.12	7.98	2.78
Building Construction - 2024	2.48	22.55	37.03	0.12	7.88	2.69
Architectural Coating - 2022	13.58	3.43	4.34	0.01	0.38	0.24
Architectural Coating - 2023	13.55	3.19	4.28	0.01	0.35	0.21
Architectural Coating - 2024	13.53	3.00	4.24	0.01	0.33	0.19
Paving - 2023	2.06	18.03	20.04	0.04	1.33	1.06

	ROG	NOX	CO	SO2	PM10 Total	Total PM2.5
East Site	lb/day					
Site Preparation - 2022	0.82	16.77	7.43	0.06	1.97	0.73
Grading - 2022	3.29	63.05	35.43	0.25	8.78	3.16
Grading - 2023	2.02	16.98	27.87	0.07	3.24	1.31
Utilities/Trenching - 2022	1.17	10.54	10.59	0.03	0.66	0.54
Foundations/Concrete Pour (Shoring Wall+Cast In Drilled Hole Foundation) - 2023	1.41	12.92	19.31	0.06	3.48	1.31
Foundations/Concrete Pour (Mat Foundation)- 2023	1.24	15.04	20.17	0.08	4.12	1.41
Foundations/Concrete Pour (Column Footings) - 2023	1.44	13.80	19.64	0.06	3.61	1.35
Building Construction - 2023 (Structure Equipment Garage)	2.75	28.37	39.99	0.14	8.58	2.96
Building Construction - 2023 (Structure Equipment Tower)	2.69	26.02	39.12	0.13	8.25	2.86
Building Construction - 2023 (Structure Equipment Affordable)	2.68	25.82	39.04	0.13	8.23	2.86
Building Construction - 2023 (Retail)	2.71	27.00	39.48	0.14	8.39	2.91
Building Construction - 2023	2.63	24.06	38.38	0.12	7.98	2.78
Building Construction - 2024	2.48	22.55	37.03	0.12	7.88	2.69
Building Construction - 2025	2.33	21.14	35.81	0.12	7.79	2.60
Architectural Coating - 2023	13.19	3.19	4.28	0.01	0.35	0.21
Architectural Coating - 2024	13.17	3.00	4.24	0.01	0.33	0.19
Architectural Coating - 2025	13.14	2.84	4.21	0.01	0.31	0.17
Paving - 2024	1.57	15.29	17.03	0.04	0.93	0.69

Hollywood Center
Air Quality Construction Analysis
Unmitigated

Overlapping Phases	ROG	NOX	CO	SO2	PM10 Total	Total PM2.5
	lb/day					
Demolition + Site Preparation + Utilities/Trenching - 2021	4.75	57.26	39.16	0.14	4.50	2.67
Demolition + Site Preparation + Grading Excavation - 2021	8.23	131.50	68.60	0.37	13.43	6.06
Grading Excavation - 2022	2.15	19.07	28.52	0.07	3.33	1.39
Foundations/Concrete Pour - 2022 (Shoring Wall + Cast in Drilled Hole Foundation)	1.62	14.87	20.42	0.06	3.60	1.41
Foundations/Concrete Pour - 2022 (Mat Foundation)	1.82	23.74	24.83	0.09	4.69	1.73
Foundations/Concrete Pour - 2022 (Column Footings)	1.66	16.09	20.77	0.06	3.73	1.45
West: Building Construction (Structure Equipment Garage) - 2022						
East: Site Preparation + Utilities/Trenching + Grading Excavation - 2022	8.34	122.77	95.31	0.48	20.12	7.53
West: Building Construction (Structure Equipment Tower) - 2022						
East: Grading Excavation - 2022	6.25	92.61	76.46	0.38	17.19	6.16
West: Building Construction (Structure Equipment Affordable) - 2022						
East: Grading Excavation - 2022	6.27	93.01	76.58	0.39	17.23	6.18
West: Building Construction (Retail) - 2022						
East: Grading Excavation - 2022	6.22	91.66	76.18	0.38	17.09	6.13
West: Building Construction + Architectural Coatings - 2022						
East: Grading Excavation - 2022	19.74	93.19	79.97	0.38	17.26	6.31
West: Building Construction + Architecural Coating - 2023						
East: Grading Excavation - 2023	18.20	44.23	70.54	0.20	11.57	4.31
West: Building Construction + Architectural Coatings - 2023						
East: Foundations/Concrete Pour (Shoring Wall + Cast in Drilled Hole Foundation) - 2023	17.59	40.17	61.98	0.19	11.81	4.31
West: Building Construction + Architectural Coatings - 2023						
East: Foundations/Concrete Pour (Mat Foundation) - 2023	17.42	42.29	62.84	0.21	12.46	4.41
West: Building Construction + Architectural Coatings - 2023						
East: Foundations/Concrete Pour (Column Footings) - 2023	17.62	41.05	62.31	0.19	11.94	4.34
West: Building Construction + Architectural Coatings - 2023						
East: Building Construction (Structure Equipment Garage) - 2023	18.93	55.62	82.66	0.27	16.91	5.96
West: Building Construction + Architectrual Coatings + Pavings - 2023						
East: Building Construction (Structure Equipment Tower) - 2023	20.92	71.30	101.83	0.30	17.91	6.92
West: Building Construction + Architectural Coatings + Pavings - 2023						
East: Building Construction (Structure Equipment Affordable) - 2023	20.92	71.11	101.75	0.30	17.88	6.91
West: Building Construction + Architectural Coatings + Paving - 2023						
East: Building Construction (Structure Retail) - 2023	20.95	72.28	102.19	0.30	18.05	6.96
West: Building Construction + Architectural Coatings + Paving - 2023						
East: Building Construction - 2023	20.87	69.34	101.09	0.29	17.64	6.84
West: Building Construction + Architectural Coatings - 2023						
East: Building Construction - 2023	18.81	51.31	81.05	0.25	16.31	5.78
West: Building Construction + Architectural Coatings - 2023						
East: Building Construction + Architectural Coatings - 2023	32.00	54.50	85.34	0.26	16.66	5.99
West: Building Construction + Architectural Coatings - 2024						
East: Building Construction + Architectural Coatings - 2024	31.64	51.10	82.55	0.26	16.42	5.77
East: Building Construction + Architectural Coatings + Paving - 2024	17.21	40.84	58.31	0.17	9.15	3.58
East: Building Construction + Architectural Coatings - 2025	15.48	23.97	40.01	0.13	8.10	2.78
Daily Maximum Emissions	**32**	**132**	**102**	**0.5**	**20**	**8**
SCAQMD Regional Threshold	75	100	550	150	150	55
Exceeds Threshold?	No	Yes	No	No	No	No

Hollywood Center
Air Quality Construction Analysis
Unmitigated
Project Localized Emissions

Localized Maximums Source	NOX	CO	PM10 Total	Total PM2.5
	lb/day			
West Site				
Demolition - 2021	17.76	18.58	0.97	0.88
Utilities/Trenching - 2021	11.79	10.33	0.61	0.58
Site Preparation - 2021	6.02	4.87	0.27	0.22
Grading - 2021	22.71	21.55	0.98	0.87
Grading - 2022	18.54	21.29	0.81	0.71
Foundations/Concrete Pour - 2022 (Shoring Wall + Cast in Drilled Hole Foundation)	12.65	11.88	0.62	0.60
Foundations/Concrete Pour - 2022 (Mat Foundation)	10.39	13.06	0.54	0.54
Foundations/Concrete Pour - 2022 (Column Footings)	12.65	11.88	0.62	0.60
Building Construction - 2022 (Structure Equipment Garage)	22.07	19.55	1.03	0.98
Building Construction - 2022 (Structure Equipment Tower)	22.07	19.55	1.03	0.98
Building Construction - 2022 (Structure Equipment Affordable)	22.07	19.55	1.03	0.98
Building Construction - 2022 (Retail)	22.07	19.55	1.03	0.98
Building Construction - 2022	22.07	19.55	1.03	0.98
Building Construction - 2023	20.30	19.39	0.91	0.87
Building Construction - 2024	18.92	19.26	0.82	0.78
Architectural Coating - 2022	3.40	3.82	0.20	0.19
Architectural Coating - 2023	3.16	3.81	0.17	0.17
Architectural Coating - 2024	2.97	3.80	0.15	0.15
Paving - 2023	17.98	19.33	1.06	0.98

	NOX	CO	PM10 Total	Total PM2.5
East Site	lb/day			
Site Preparation - 2022	4.80	4.79	0.23	0.18
Grading - 2022	18.54	21.29	0.81	0.71
Grading - 2023	16.52	21.25	0.73	0.63
Utilities/Trenching - 2022	10.51	10.20	0.52	0.50
Foundations/Concrete Pour (Shoring Wall+Cast In Drilled Hole Foundation) - 2023	11.23	11.55	0.53	0.51
Foundations/Concrete Pour (Mat Foundation)- 2023	7.57	10.24	0.37	0.37
Foundations/Concrete Pour (Column Footings) - 2023	11.23	11.55	0.53	0.51
Building Construction - 2023 (Structure Equipment Garage)	20.30	19.39	0.91	0.87
Building Construction - 2023 (Structure Equipment Tower)	20.30	19.39	0.91	0.87
Building Construction - 2023 (Structure Equipment Affordable)	20.30	19.39	0.91	0.87
Building Construction - 2023 (Retail)	20.30	19.39	0.91	0.87
Building Construction - 2023	20.30	19.39	0.91	0.87
Building Construction - 2024	18.92	19.26	0.82	0.78
Building Construction - 2025	17.63	19.16	0.73	0.69
Architectural Coating - 2023	3.16	3.81	0.17	0.17
Architectural Coating - 2024	2.97	3.80	0.15	0.15
Architectural Coating - 2025	2.81	3.80	0.13	0.13
Paving - 2024	15.25	16.37	0.67	0.62

Hollywood Center
Air Quality Construction Analysis
Unmitigated
Project Localized Emissions

Overlapping Phases				
Project Localized Emissions	**NOX**	**CO**	**PM10 Total**	**Total PM2.5**
		lb/day		
Demolition + Site Preparation + Utilities/Trenching - 2021	35.56	33.78	1.84	1.68
Demolition + Site Preparation + Grading Excavation - 2021	46.48	45.00	2.22	1.97
Grading Excavation - 2022	18.54	21.29	0.81	0.71
Foundations/Concrete Pour - 2022 (Shoring Wall + Cast in Drilled Hole Foundation)	12.65	11.88	0.62	0.60
Foundations/Concrete Pour - 2022 (Mat Foundation)	10.39	13.06	0.54	0.54
Foundations/Concrete Pour - 2022 (Column Footings)	12.65	11.88	0.62	0.60
West: Building Construction (Structure Equipment Garage) - 2022				
East: Site Preparation + Utilities/Trenching + Grading Excavation - 2022	55.93	55.83	2.59	2.37
West: Building Construction (Structure Equipment Tower) - 2022				
East: Grading Excavation - 2022	40.61	40.84	1.84	1.69
West: Building Construction (Structure Equipment Affordable) - 2022				
East: Grading Excavation - 2022	40.61	40.84	1.84	1.69
West: Building Construction (Retail) - 2022				
East: Grading Excavation - 2022	40.61	40.84	1.84	1.69
West: Building Construction + Architectural Coatings - 2022				
East: Grading Excavation - 2022	44.01	44.66	2.04	1.89
West: Building Construction + Architecural Coating - 2023				
East: Grading Excavation - 2023	39.98	44.45	1.81	1.67
West: Building Construction + Architectural Coatings - 2023				
East: Foundations/Concrete Pour (Shoring Wall + Cast in Drilled Hole Foundation) - 2023	34.69	34.74	1.62	1.55
West: Building Construction + Architectural Coatings - 2023				
East: Foundations/Concrete Pour (Mat Foundation) - 2023	31.03	33.44	1.45	1.41
West: Building Construction + Architectural Coatings - 2023				
East: Foundations/Concrete Pour (Column Footings) - 2023	34.69	34.74	1.62	1.55
West: Building Construction + Architectural Coatings - 2023				
East: Building Construction (Structure Equipment Garage) - 2023	43.76	42.59	2.00	1.91
West: Building Construction + Architectrual Coatings + Pavings - 2023				
East: Building Construction (Structure Equipment Tower) - 2023	61.75	61.92	3.05	2.89
West: Building Construction + Architectural Coatings + Pavings - 2023				
East: Building Construction (Structure Equipment Affordable) - 2023	61.75	61.92	3.05	2.89
West: Building Construction + Architectural Coatings + Paving - 2023				
East: Building Construction (Structure Retail) - 2023	61.75	61.92	3.05	2.89
West: Building Construction + Architectural Coatings + Paving - 2023				
East: Building Construction - 2023	61.75	61.92	3.05	2.89
West: Building Construction + Architectural Coatings - 2023				
East: Building Construction - 2023	43.76	42.59	2.00	1.91
West: Building Construction + Architectural Coatings - 2023				
East: Building Construction + Architectural Coatings - 2023	46.92	46.40	2.17	2.07
West: Building Construction + Architectural Coatings - 2024				
East: Building Construction + Architectural Coatings - 2024	43.78	46.13	1.93	1.85
East: Building Construction + Architectural Coatings + Paving - 2024	37.14	39.44	1.63	1.54
East: Building Construction + Architectural Coatings - 2025	20.44	22.96	0.86	0.82
Daily Maximum Emissions	**62**	**62**	**3.05**	**2.89**
Localized Significance Thresholds	154	1755	15.0	7.6
Exceeds Threshold?	No	No	No	No

Hollywood Center
Air Quality Construction Analysis
Unmitigated
West Site Regional Emissions

Regional Maximums Source	ROG	NOX	CO	SO2	PM10 Total	Total PM2.5
			lb/day			
Demolition - 2021	2.87	39.36	22.68	0.10	3.22	1.76
Utilities/Trenching - 2021	1.28	11.82	10.75	0.03	0.74	0.62
Site Preparation - 2021	0.59	6.08	5.72	0.01	0.54	0.29
Grading - 2021	4.77	86.06	40.19	0.26	9.67	4.00
Grading - 2022	2.15	19.07	28.52	0.07	3.33	1.39
Foundations/Concrete Pour - 2022 (Shoring Wall + Cast in Drilled Hole Foundation)	1.62	14.87	20.42	0.06	3.60	1.41
Foundations/Concrete Pour - 2022 (Mat Foundation)	1.82	23.74	24.83	0.09	4.69	1.73
Foundations/Concrete Pour - 2022 (Column Footings)	1.66	16.09	20.77	0.06	3.73	1.45
Building Construction - 2022 (Structure Equipment Garage)	3.06	32.41	41.85	0.15	8.71	3.10
Building Construction - 2022 (Structure Equipment Tower)	2.96	29.56	41.02	0.14	8.41	3.01
Building Construction - 2022 (Structure Equipment Affordable)	2.98	29.97	41.14	0.14	8.45	3.02
Building Construction - 2022 (Retail)	2.93	28.61	40.75	0.13	8.31	2.97
Building Construction - 2022	2.87	26.71	40.20	0.12	8.11	2.91
Building Construction - 2023	2.63	24.06	38.38	0.12	7.98	2.78
Building Construction - 2024	2.48	22.55	37.03	0.12	7.88	2.69
Architectural Coating - 2022	13.58	3.43	4.34	0.01	0.38	0.24
Architectural Coating - 2023	13.55	3.19	4.28	0.01	0.35	0.21
Architectural Coating - 2024	13.53	3.00	4.24	0.01	0.33	0.19
Paving - 2023	2.06	18.03	20.04	0.04	1.33	1.06
Overlapping Phases						
Demolition + Utilities Trenching + Site Preparation - 2021	4.7	57.3	39.2	0.1	4.5	2.7
Demolition + Site Preparation + Grading/Excavation - 2021	8.2	131.5	68.6	0.4	13.4	6.1
Grading - 2022	2.2	19.1	28.5	0.1	3.3	1.4
Foundations/Concrete Pour - 2022 (Shoring Wall + Cast in Drilled Hole Foundation)	1.6	14.9	20.4	0.1	3.6	1.4
Foundations/Concrete Pour - 2022 (Mat Foundation)	1.8	23.7	24.8	0.1	4.7	1.7
Foundations/Concrete Pour - 2022 (Column Footings)	1.7	16.1	20.8	0.1	3.7	1.4
Building Construction - 2022 (Structure Equipment Garage)	3.1	32.4	41.9	0.1	8.7	3.1
Building Construction - 2022 (Structure Equipment Tower)	3.0	29.6	41.0	0.1	8.4	3.0
Building Construction - 2022 (Structure Equipment Affordable)	3.0	30.0	41.1	0.1	8.5	3.0
Building Construction - 2022 (Retail)	2.9	28.6	40.7	0.1	8.3	3.0
Building Construction + Architectural Coating - 2022	16.4	30.1	44.5	0.1	8.5	3.1
Building Construction + Architectural Coating + Paving - 2023	18.2	45.3	62.7	0.2	9.7	4.1
Building Construction + Architectural Coating - 2024	16.00	25.55	41.27	0.13	8.21	2.88
Daily Maximum Emissions	**18**	**132**	**69**	**0.4**	**13**	**6**
SCAQMD Regional Threshold	75	100	550	150	150	55
Exceeds Threshold?	No	Yes	No	No	No	No

Hollywood Center
Air Quality Construction Analysis
Unmitigated
West Site Onsite Emissions

Localized Emissions Summary Source	NOX	CO lb/day	PM10 Total	Total PM2.5
Demolition - 2021	17.76	18.58	0.97	0.88
Utilities/Trenching - 2021	11.79	10.33	0.61	0.58
Site Preparation - 2021	6.02	4.87	0.27	0.22
Grading - 2021	22.71	21.55	0.98	0.87
Grading - 2022	18.54	21.29	0.81	0.71
Foundations/Concrete Pour - 2022 (Shoring Wall + Cast in Drilled Ho	12.65	11.88	0.62	0.60
Foundations/Concrete Pour - 2022 (Mat Foundation)	10.39	13.06	0.54	0.54
Foundations/Concrete Pour - 2022 (Column Footings)	12.65	11.88	0.62	0.60
Building Construction - 2022 (Structure Equipment Garage)	22.07	19.55	1.03	0.98
Building Construction - 2022 (Structure Equipment Tower)	22.07	19.55	1.03	0.98
Building Construction - 2022 (Structure Equipment Affordable)	22.07	19.55	1.03	0.98
Building Construction - 2022 (Retail)	22.07	19.55	1.03	0.98
Building Construction - 2022	22.07	19.55	1.03	0.98
Building Construction - 2023	20.30	19.39	0.91	0.87
Building Construction - 2024	18.92	19.26	0.82	0.78
Architectural Coating - 2022	3.40	3.82	0.20	0.19
Architectural Coating - 2023	3.16	3.81	0.17	0.17
Architectural Coating - 2024	2.97	3.80	0.15	0.15
Paving - 2023	17.98	19.33	1.06	0.98
Daily Maximum Emission	22.71	21.55	1.06	0.98
Localized Significance Threshold	105	1019	8	5
Exceed Threshold?	No	No	No	No

Overlapping Phases				
Demolition + Utilities Trenching + Site Preparation - 2021	23.8	23.4	1.2	1.1
Demolition + Site Preparation + Grading/Excavation - 2021	46.5	45.0	2.2	2.0
Grading - 2022	18.5	21.3	0.8	0.7
Foundations/Concrete Pour - 2022 (Shoring Wall + Cast in Drilled Hole Foundation)	12.7	11.9	0.6	0.6
Foundations/Concrete Pour - 2022 (Mat Foundation)	10.4	13.1	0.5	0.5
Foundations/Concrete Pour - 2022 (Column Footings)	12.7	11.9	0.6	0.6
Building Construction - 2022 (Structure Equipment Garage)	22.1	19.5	1.0	1.0
Building Construction - 2022 (Structure Equipment Tower)	22.1	19.5	1.0	1.0
Building Construction - 2022 (Structure Equipment Affordable)	22.1	19.5	1.0	1.0
Building Construction - 2022 (Retail)	22.1	19.5	1.0	1.0
Building Construction + Architectural Coating - 2022	25.5	23.4	1.2	1.2
Building Construction + Architectural Coating + Paving - 2023	41.4	42.5	2.1	2.0
Building Construction + Architectural Coating - 2024	21.9	23.1	1.0	0.9
Daily Maximum Emission	**46.48**	**45.00**	**2.22**	**2.02**
Localized Significance Threshold	105	1019	8	5
Exceed Threshold?	No	No	No	No

Hollywood Center
Air Quality Construction Analysis
Unmitigated
East Site Regional Emissions

Regional Maximums Source	ROG	NOX	CO	SO2	PM10 Total	Total PM2.5
			lb/day			
Site Preparation - 2022	0.82	16.77	7.43	0.06	1.97	0.73
Grading - 2022	3.29	63.05	35.43	0.25	8.78	3.16
Grading - 2023	2.02	16.98	27.87	0.07	3.24	1.31
Utilities/Trenching - 2022	1.17	10.54	10.59	0.03	0.66	0.54
Foundations/Concrete Pour (Shoring Wall+Cast In Drilled Hole Foundation) - 2023	1.41	12.92	19.31	0.06	3.48	1.31
Foundations/Concrete Pour (Mat Foundation)- 2023	1.24	15.04	20.17	0.08	4.12	1.41
Foundations/Concrete Pour (Column Footings) - 2023	1.44	13.80	19.64	0.06	3.61	1.35
Building Construction - 2023 (Structure Equipment Garage)	2.75	28.37	39.99	0.14	8.58	2.96
Building Construction - 2023 (Structure Equipment Tower)	2.69	26.02	39.12	0.13	8.25	2.86
Building Construction - 2023 (Structure Equipment Affordable)	2.68	25.82	39.04	0.13	8.23	2.86
Building Construction - 2023 (Retail)	2.71	27.00	39.48	0.14	8.39	2.91
Building Construction - 2023	2.63	24.06	38.38	0.12	7.98	2.78
Building Construction - 2024	2.48	22.55	37.03	0.12	7.88	2.69
Building Construction - 2025	2.33	21.14	35.81	0.12	7.79	2.60
Architectural Coating - 2023	13.19	3.19	4.28	0.01	0.35	0.21
Architectural Coating - 2024	13.17	3.00	4.24	0.01	0.33	0.19
Architectural Coating - 2025	13.14	2.84	4.21	0.01	0.31	0.17
Paving - 2024	1.57	15.29	17.03	0.04	0.93	0.69
Overlapping Phases						
2022						
Site Preparation + Utilities/Trenching + Grading/Excavation - 2022	5.3	90.4	53.5	0.3	11.4	4.4
Grading Excavation - 2023	2.0	17.0	27.9	0.1	3.2	1.3
Foundations/Concrete Pour (Shoring Wall+Cast In Drilled Hole Foundation) - 2023	1.4	12.9	19.3	0.1	3.5	1.3
Foundations/Concrete Pour (Mat Foundation)- 2023	1.2	15.0	20.2	0.1	4.1	1.4
Foundations/Concrete Pour (Column Footings) - 2023	1.4	13.8	19.6	0.1	3.6	1.3
Building Construction - 2023 (Structure Equipment Garage)	2.8	28.4	40.0	0.1	8.6	3.0
Building Construction - 2023 (Structure Equipment Tower)	2.7	26.0	39.1	0.1	8.3	2.9
Building Construction - 2023 (Structure Equipment Affordable)	2.7	25.8	39.0	0.1	8.2	2.9
Building Construction - 2023 (Retail)	2.7	27.0	39.5	0.1	8.4	2.9
Building Construction + Architectural Coating - 2023	15.8	27.3	42.7	0.1	8.3	3.0
Building Construction + Architectural Coating + Paving - 2024	17.2	40.8	58.3	0.2	9.1	3.6
Building Construction + Architectural Coating - 2025	15.5	24.0	40.0	0.1	8.1	2.8
Daily Maximum Emissions	**17**	**90**	**58**	**0.3**	**11**	**4**
SCAQMD Regional Threshold	75	100	550	150	150	55
Exceeds Threshold?	No	No	No	No	No	No

Hollywood Center
Air Quality Construction Analysis
Unmitigated
East Site Onsite Emissions

Localized Emissions Summary Source	NOX	CO lb/day	PM10 Total	Total PM2.5
Site Preparation - 2022	4.80	4.79	0.23	0.18
Grading - 2022	18.54	21.29	0.81	0.71
Grading - 2023	16.52	21.25	0.73	0.63
Utilities/Trenching - 2022	10.51	10.20	0.52	0.50
Foundations/Concrete Pour (Shoring Wall+Cast In Drilled Hole Foun	11.23	11.55	0.53	0.51
Foundations/Concrete Pour (Mat Foundation)- 2023	7.57	10.24	0.37	0.37
Foundations/Concrete Pour (Column Footings) - 2023	11.23	11.55	0.53	0.51
Building Construction - 2023 (Structure Equipment Garage)	20.30	19.39	0.91	0.87
Building Construction - 2023 (Structure Equipment Tower)	20.30	19.39	0.91	0.87
Building Construction - 2023 (Structure Equipment Affordable)	20.30	19.39	0.91	0.87
Building Construction - 2023 (Retail)	20.30	19.39	0.91	0.87
Building Construction - 2023	20.30	19.39	0.91	0.87
Building Construction - 2024	18.92	19.26	0.82	0.78
Building Construction - 2025	17.63	19.16	0.73	0.69
Architectural Coating - 2023	3.16	3.81	0.17	0.17
Architectural Coating - 2024	2.97	3.80	0.15	0.15
Architectural Coating - 2025	2.81	3.80	0.13	0.13
Paving - 2024	15.25	16.37	0.67	0.62
Daily Maximum Emission	20.30	21.29	0.91	0.87
Localized Significance Threshold	120	1235	10	6
Exceed Threshold?	No	No	No	No

Overlapping Phases				
Site Preparation + Utilities/Trenching + Grading/Excavation - 2022	33.9	36.3	1.6	1.4
Grading Excavation - 2023	16.5	21.2	0.7	0.6
Foundations/Concrete Pour (Shoring Wall+Cast In Drilled Hole Foun	11.2	11.5	0.5	0.5
Foundations/Concrete Pour (Mat Foundation)- 2023	7.6	10.2	0.4	0.4
Foundations/Concrete Pour (Column Footings) - 2023	11.2	11.5	0.5	0.5
Building Construction - 2023 (Structure Equipment Garage)	20.3	19.4	0.9	0.9
Building Construction - 2023 (Structure Equipment Tower)	20.3	19.4	0.9	0.9
Building Construction - 2023 (Structure Equipment Affordable)	20.3	19.4	0.9	0.9
Building Construction - 2023 (Retail)	20.3	19.4	0.9	0.9
Building Construction + Architectural Coating - 2023	23.5	23.2	1.1	1.0
Building Construction + Architectural Coating + Paving - 2024	37.1	39.4	1.6	1.5
Building Construction + Architectural Coating - 2025	20.4	23.0	0.9	0.8
Daily Maximum Emissions	**37.1**	**39.4**	**1.6**	**1.5**
Localized Significance Threshold	120	1235	10	6
Exceed Threshold?	No	No	No	No

Hollywood Center - West - Construction

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	41.60	1000sqft	0.10	41,600.00	0
Enclosed Parking with Elevator	837.00	Space	0.50	432,956.00	0
Other Non-Asphalt Surfaces	22.45	1000sqft	0.10	22,450.00	0
User Defined Parking	5.16	User Defined Unit	0.22	5,163.00	0
City Park	0.79	Acre	0.10	34,205.00	0
Fast Food Restaurant w/o Drive Thru	1.98	1000sqft	0.10	1,983.00	0
High Turnover (Sit Down Restaurant)	11.24	1000sqft	0.10	11,237.00	0
Apartments Mid Rise	68.00	Dwelling Unit	0.20	67,705.00	194
Condo/Townhouse High Rise	449.00	Dwelling Unit	0.50	581,464.00	1284

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2024
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - see construction assumptions

Construction Phase - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions. Jackhammer assumed to be powered by generator set.

Off-road Equipment - see construction assumptions. Jackhammers assumed to be powered by generator set.

Off-road Equipment - see construction assumptions. Jackhammers assumed to be powered by generator.

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Trips and VMT - see construction assumptions

Demolition - 912 CY converted to building square footage.

Grading - see construction assumptions

Woodstoves - see construction assumptions

Construction Off-road Equipment Mitigation - see construction assumptions

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	44,513.00	55,738.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	133,538.00	167,213.00
tblArchitecturalCoating	ConstArea_Parking	27,634.00	26,287.00
tblAreaCoating	Area_Nonresidential_Exterior	44513	45115
tblAreaCoating	Area_Nonresidential_Interior	133538	135344
tblAreaCoating	Area_Parking	27634	26786
tblAreaCoating	Area_Residential_Exterior	438189	437603
tblAreaCoating	Area_Residential_Interior	1314567	1312808
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	FuelType	Diesel	Electrical

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstructionPhase	NumDays	10.00	398.00
tblConstructionPhase	NumDays	200.00	49.00
tblConstructionPhase	NumDays	200.00	639.00
tblConstructionPhase	NumDays	20.00	49.00
tblConstructionPhase	NumDays	4.00	279.00
tblConstructionPhase	NumDays	10.00	76.00
tblConstructionPhase	NumDays	2.00	24.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	57.80	0.00
tblFireplaces	NumberGas	381.65	0.00
tblFireplaces	NumberNoFireplace	6.80	0.00
tblFireplaces	NumberNoFireplace	44.90	0.00
tblFireplaces	NumberWood	3.40	0.00
tblFireplaces	NumberWood	22.45	0.00
tblGrading	AcresOfGrading	0.00	1.92
tblGrading	AcresOfGrading	0.00	1.92

tblGrading	MaterialExported	0.00	281,370.00
tblLandUse	LandUseSquareFeet	334,800.00	432,956.00
tblLandUse	LandUseSquareFeet	0.00	5,163.00
tblLandUse	LandUseSquareFeet	34,412.40	34,205.00
tblLandUse	LandUseSquareFeet	1,980.00	1,983.00
tblLandUse	LandUseSquareFeet	11,240.00	11,237.00
tblLandUse	LandUseSquareFeet	68,000.00	67,705.00
tblLandUse	LandUseSquareFeet	449,000.00	581,464.00
tblLandUse	LotAcreage	0.96	0.10
tblLandUse	LotAcreage	7.53	0.50
tblLandUse	LotAcreage	0.52	0.10
tblLandUse	LotAcreage	0.00	0.22
tblLandUse	LotAcreage	0.79	0.10
tblLandUse	LotAcreage	0.05	0.10
tblLandUse	LotAcreage	0.26	0.10
tblLandUse	LotAcreage	1.79	0.20
tblLandUse	LotAcreage	7.02	0.50
tblOffRoadEquipment	HorsePower	187.00	84.00
tblOffRoadEquipment	LoadFactor	0.41	0.74
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	38.69	39.23
tblWater	IndoorWaterUseRate	7,393,723.92	7,496,809.49
tblWater	OutdoorWaterUseRate	941,270.27	953,185.08
tblWater	OutdoorWaterUseRate	4,531,637.24	4,594,818.72
tblWoodstoves	NumberCatalytic	3.40	0.00
tblWoodstoves	NumberCatalytic	22.45	0.00
tblWoodstoves	NumberNoncatalytic	3.40	0.00
tblWoodstoves	NumberNoncatalytic	22.45	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/4/2021	3/1/2021	6	49	
2	Utilities/Trenching	Trenching	1/14/2021	2/3/2021	6	18	
3	Site Preparation	Site Preparation	2/1/2021	2/28/2021	6	24	
4	Grading	Grading	2/11/2021	1/2/2022	6	279	
5	Foundations/Concrete Pour	Building Construction	1/3/2022	2/28/2022	6	49	
6	Building Construction	Building Construction	3/1/2022	3/14/2024	6	639	
7	Architectural Coating	Architectural Coating	10/25/2022	1/31/2024	6	398	
8	Paving	Paving	7/6/2023	10/2/2023	6	76	

Acres of Grading (Site Preparation Phase): 1.923

Acres of Grading (Grading Phase): 1.923

Acres of Paving: 0.823

Residential Indoor: 1,314,567; Residential Outdoor: 438,189; Non-Residential Indoor: 167,213; Non-Residential Outdoor: 55,738; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Air Compressors	1	8.00	78	0.48
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition	Dumpers/Tenders	1	8.00	16	0.38
Demolition	Excavators	1	8.00	158	0.38
Demolition	Generator Sets	1	8.00	84	0.74
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Rubber Tired Loaders	1	8.00	203	0.36
Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Utilities/Trenching	Air Compressors	1	8.00	78	0.48

Utilities/Trenching	Concrete/Industrial Saws	1	8.00	81	0.73
Utilities/Trenching	Cranes	1	8.00	231	0.29
Utilities/Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Excavators	1	8.00	158	0.38
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	0	7.00	247	0.40
Site Preparation	Rubber Tired Loaders	1	8.00	203	0.36
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Dumpers/Tenders	2	8.00	16	0.38
Grading	Excavators	4	8.00	158	0.38
Grading	Graders	0	6.00	187	0.41
Grading	Plate Compactors	2	8.00	8	0.43
Grading	Rubber Tired Dozers	0	6.00	247	0.40
Grading	Rubber Tired Loaders	2	8.00	203	0.36
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Foundations/Concrete Pour	Air Compressors	1	8.00	78	0.48
Foundations/Concrete Pour	Cranes	1	8.00	231	0.29
Foundations/Concrete Pour	Dumpers/Tenders	2	8.00	16	0.38
Foundations/Concrete Pour	Forklifts	1	8.00	89	0.20
Foundations/Concrete Pour	Generator Sets	1	8.00	84	0.74
Foundations/Concrete Pour	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Foundations/Concrete Pour	Welders	0	8.00	46	0.45
Building Construction	Air Compressors	1	8.00	78	0.48
Building Construction	Bore/Drill Rigs	1	8.00	221	0.50
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Dumpers/Tenders	2	8.00	16	0.38
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Building Construction	Welders	0	8.00	46	0.45
Architectural Coating	Air Compressors	1	8.00	78	0.48
Architectural Coating	Dumpers/Tenders	1	8.00	16	0.38
Architectural Coating	Forklifts	1	8.00	89	0.20
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Concrete/Industrial Saws	1	8.00	81	0.73
Paving	Graders	1	8.00	84	0.74
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Plate Compactors	1	8.00	8	0.43
Paving	Rollers	1	8.00	80	0.38
Paving	Surfacing Equipment	1	8.00	263	0.30
Paving	Sweepers/Scrubbers	1	8.00	64	0.46
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2009	0.0000	0.2009	0.0304	0.0000	0.0304			0.0000			0.0000
Off-Road	2.0646	17.7595	18.5775	0.0352		0.8902	0.8902		0.8715	0.8715		3,349.9864	3,349.9864	0.4904		3,362.2472
Total	**2.0646**	**17.7595**	**18.5775**	**0.0352**	**0.2009**	**0.8902**	**1.0911**	**0.0304**	**0.8715**	**0.9020**		**3,349.9864**	**3,349.9864**	**0.4904**		**3,362.2472**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0784	0.0000	0.0784	0.0119	0.0000	0.0119			0.0000			0.0000
Off-Road	2.0646	17.7595	18.5775	0.0352		0.8902	0.8902		0.8715	0.8715	0.0000	3,349.9864	3,349.9864	0.4904		3,362.2472
Total	**2.0646**	**17.7595**	**18.5775**	**0.0352**	**0.0784**	**0.8902**	**0.9685**	**0.0119**	**0.8715**	**0.8834**	**0.0000**	**3,349.9864**	**3,349.9864**	**0.4904**		**3,362.2472**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.3 Utilities/Trenching - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2769	11.8188	10.3405	0.0191		0.6072	0.6072		0.5825	0.5825		1,827.5675	1,827.5675	0.3382		1,836.0224
Total	**1.2769**	**11.8188**	**10.3405**	**0.0191**		**0.6072**	**0.6072**		**0.5825**	**0.5825**		**1,827.5675**	**1,827.5675**	**0.3382**		**1,836.0224**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8640	6.9695	8.3577	0.0191		0.4104	0.4104		0.4014	0.4014	0.0000	1,268.8288	1,268.8288	0.1575		1,272.7659
Total	**0.8640**	**6.9695**	**8.3577**	**0.0191**		**0.4104**	**0.4104**		**0.4014**	**0.4014**	**0.0000**	**1,268.8288**	**1,268.8288**	**0.1575**		**1,272.7659**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.4 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0850	0.0000	0.0850	9.1800e-003	0.0000	9.1800e-003			0.0000			0.0000
Off-Road	0.5722	6.0172	4.8705	0.0114		0.2333	0.2333		0.2146	0.2146		1,105.4182	1,105.4182	0.3575		1,114.3561
Total	**0.5722**	**6.0172**	**4.8705**	**0.0114**	**0.0850**	**0.2333**	**0.3183**	**9.1800e-003**	**0.2146**	**0.2238**		**1,105.4182**	**1,105.4182**	**0.3575**		**1,114.3561**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0331	0.0000	0.0331	3.5800e-003	0.0000	3.5800e-003			0.0000			0.0000
Off-Road	0.5722	6.0172	4.8705	0.0114		0.2333	0.2333		0.2146	0.2146	0.0000	1,105.4182	1,105.4182	0.3575		1,114.3561
Total	**0.5722**	**6.0172**	**4.8705**	**0.0114**	**0.0331**	**0.2333**	**0.2664**	**3.5800e-003**	**0.2146**	**0.2182**	**0.0000**	**1,105.4182**	**1,105.4182**	**0.3575**		**1,114.3561**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.5 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1214	0.0000	0.1214	0.0181	0.0000	0.0181			0.0000			0.0000
Off-Road	2.0171	19.6688	19.4674	0.0388		0.8417	0.8417		0.7787	0.7787		3,702.9598	3,702.9598	1.1561		3,731.8631
Total	**2.0171**	**19.6688**	**19.4674**	**0.0388**	**0.1214**	**0.8417**	**0.9631**	**0.0181**	**0.7787**	**0.7968**		**3,702.9598**	**3,702.9598**	**1.1561**		**3,731.8631**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0473	0.0000	0.0473	7.0400e-003	0.0000	7.0400e-003			0.0000			0.0000
Off-Road	2.0171	19.6688	19.4674	0.0388		0.8417	0.8417		0.7787	0.7787	0.0000	3,702.9598	3,702.9598	1.1561		3,731.8631
Total	**2.0171**	**19.6688**	**19.4674**	**0.0388**	**0.0473**	**0.8417**	**0.8890**	**7.0400e-003**	**0.7787**	**0.7858**	**0.0000**	**3,702.9598**	**3,702.9598**	**1.1561**		**3,731.8631**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.5 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1214	0.0000	0.1214	0.0181	0.0000	0.0181			0.0000			0.0000
Off-Road	1.7843	16.2652	19.2435	0.0388		0.6910	0.6910		0.6401	0.6401		3,703.4681	3,703.4681	1.1563		3,732.3755
Total	**1.7843**	**16.2652**	**19.2435**	**0.0388**	**0.1214**	**0.6910**	**0.8124**	**0.0181**	**0.6401**	**0.6581**		**3,703.4681**	**3,703.4681**	**1.1563**		**3,732.3755**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0473	0.0000	0.0473	7.0400e-003	0.0000	7.0400e-003			0.0000			0.0000
Off-Road	1.7843	16.2652	19.2435	0.0388		0.6910	0.6910		0.6401	0.6401	0.0000	3,703.4681	3,703.4681	1.1563		3,732.3755
Total	**1.7843**	**16.2652**	**19.2435**	**0.0388**	**0.0473**	**0.6910**	**0.7383**	**7.0400e-003**	**0.6401**	**0.6471**	**0.0000**	**3,703.4681**	**3,703.4681**	**1.1563**		**3,732.3755**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.6 Foundations/Concrete Pour - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4009	12.6501	11.8797	0.0225		0.6243	0.6243		0.5976	0.5976		2,128.2794	2,128.2794	0.3932		2,138.1083
Total	**1.4009**	**12.6501**	**11.8797**	**0.0225**		**0.6243**	**0.6243**		**0.5976**	**0.5976**		**2,128.2794**	**2,128.2794**	**0.3932**		**2,138.1083**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0279	8.4658	9.9874	0.0225		0.4506	0.4506		0.4378	0.4378	0.0000	1,569.4491	1,569.4491	0.2124		1,574.7595
Total	**1.0279**	**8.4658**	**9.9874**	**0.0225**		**0.4506**	**0.4506**		**0.4378**	**0.4378**	**0.0000**	**1,569.4491**	**1,569.4491**	**0.2124**		**1,574.7595**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.7 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3499	22.0696	19.5451	0.0442		1.0265	1.0265		0.9801	0.9801		4,223.7051	4,223.7051	0.9012		4,246.2339
Total	**2.3499**	**22.0696**	**19.5451**	**0.0442**		**1.0265**	**1.0265**		**0.9801**	**0.9801**		**4,223.7051**	**4,223.7051**	**0.9012**		**4,246.2339**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1426	4.6165	1.2008	0.0127	0.3201	8.6800e-003	0.3288	0.0922	8.3000e-003	0.1005		1,362.4294	1,362.4294	0.0782		1,364.3841

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6039	13.7011	15.7604	0.0442		0.6790	0.6790		0.6604	0.6604	0.0000	3,106.0444	3,106.0444	0.5397		3,119.5363
Total	**1.6039**	**13.7011**	**15.7604**	**0.0442**		**0.6790**	**0.6790**		**0.6604**	**0.6604**	**0.0000**	**3,106.0444**	**3,106.0444**	**0.5397**		**3,119.5363**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1426	4.6165	1.2008	0.0127	0.3201	8.6800e-003	0.3288	0.0922	8.3000e-003	0.1005		1,362.4294	1,362.4294	0.0782		1,364.3841

3.7 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2080	20.3008	19.3889	0.0443		0.9121	0.9121		0.8705	0.8705		4,225.8629	4,225.8629	0.8944		4,248.2225
Total	**2.2080**	**20.3008**	**19.3889**	**0.0443**		**0.9121**	**0.9121**		**0.8705**	**0.8705**		**4,225.8629**	**4,225.8629**	**0.8944**		**4,248.2225**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1058	3.5028	1.0844	0.0123	0.3201	4.0500e-003	0.3242	0.0922	3.8700e-003	0.0960		1,319.5371	1,319.5371	0.0693		1,321.2692

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5052	12.6697	15.7201	0.0443		0.5934	0.5934		0.5773	0.5773	0.0000	3,108.2244	3,108.2244	0.5329		3,121.5474
Total	**1.5052**	**12.6697**	**15.7201**	**0.0443**		**0.5934**	**0.5934**		**0.5773**	**0.5773**	**0.0000**	**3,108.2244**	**3,108.2244**	**0.5329**		**3,121.5474**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1058	3.5028	1.0844	0.0123	0.3201	4.0500e-003	0.3242	0.0922	3.8700e-003	0.0960		1,319.5371	1,319.5371	0.0693		1,321.2692

3.7 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0910	18.9186	19.2617	0.0443		0.8155	0.8155		0.7778	0.7778		4,227.9894	4,227.9894	0.8905		4,250.2510
Total	**2.0910**	**18.9186**	**19.2617**	**0.0443**		**0.8155**	**0.8155**		**0.7778**	**0.7778**		**4,227.9894**	**4,227.9894**	**0.8905**		**4,250.2510**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1033	3.4895	1.0514	0.0123	0.3201	4.0000e-003	0.3241	0.0922	3.8200e-003	0.0960		1,314.1822	1,314.1822	0.0683		1,315.8896

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4275	11.9100	15.7123	0.0443		0.5239	0.5239		0.5095	0.5095	0.0000	3,110.3747	3,110.3747	0.5290		3,123.5998
Total	**1.4275**	**11.9100**	**15.7123**	**0.0443**		**0.5239**	**0.5239**		**0.5095**	**0.5095**	**0.0000**	**3,110.3747**	**3,110.3747**	**0.5290**		**3,123.5998**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1033	3.4895	1.0514	0.0123	0.3201	4.0000e-003	0.3241	0.0922	3.8200e-003	0.0960		1,314.1822	1,314.1822	0.0683		1,315.8896

3.8 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.1086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4598	3.3974	3.8227	6.2400e-003		0.1962	0.1962		0.1906	0.1906		584.2352	584.2352	0.0789		586.2065
Total	**13.5684**	**3.3974**	**3.8227**	**6.2400e-003**		**0.1962**	**0.1962**		**0.1906**	**0.1906**		**584.2352**	**584.2352**	**0.0789**		**586.2065**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.1086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4598	3.3974	3.8227	6.2400e-003		0.1962	0.1962		0.1906	0.1906	0.0000	584.2352	584.2352	0.0789		586.2065
Total	**13.5684**	**3.3974**	**3.8227**	**6.2400e-003**		**0.1962**	**0.1962**		**0.1906**	**0.1906**	**0.0000**	**584.2352**	**584.2352**	**0.0789**		**586.2065**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.8 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.1086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4315	3.1615	3.8104	6.2400e-003		0.1711	0.1711		0.1664	0.1664		584.2352	584.2352	0.0769		586.1569
Total	**13.5402**	**3.1615**	**3.8104**	**6.2400e-003**		**0.1711**	**0.1711**		**0.1664**	**0.1664**		**584.2352**	**584.2352**	**0.0769**		**586.1569**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.1086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4315	3.1615	3.8104	6.2400e-003		0.1711	0.1711		0.1664	0.1664	0.0000	584.2352	584.2352	0.0769		586.1569
Total	**13.5402**	**3.1615**	**3.8104**	**6.2400e-003**		**0.1711**	**0.1711**		**0.1664**	**0.1664**	**0.0000**	**584.2352**	**584.2352**	**0.0769**		**586.1569**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.8 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.1086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4087	2.9731	3.8037	6.2400e-003		0.1495	0.1495		0.1454	0.1454		584.2352	584.2352	0.0756		586.1239
Total	**13.5173**	**2.9731**	**3.8037**	**6.2400e-003**		**0.1495**	**0.1495**		**0.1454**	**0.1454**		**584.2352**	**584.2352**	**0.0756**		**586.1239**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.1086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4087	2.9731	3.8037	6.2400e-003		0.1495	0.1495		0.1454	0.1454	0.0000	584.2352	584.2352	0.0756		586.1239
Total	**13.5173**	**2.9731**	**3.8037**	**6.2400e-003**		**0.1495**	**0.1495**		**0.1454**	**0.1454**	**0.0000**	**584.2352**	**584.2352**	**0.0756**		**586.1239**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.9 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0435	17.9835	19.3326	0.0328		1.0570	1.0570		0.9835	0.9835		3,146.1520	3,146.1520	0.8475		3,167.3390
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.0435**	**17.9835**	**19.3326**	**0.0328**		**1.0570**	**1.0570**		**0.9835**	**0.9835**		**3,146.1520**	**3,146.1520**	**0.8475**		**3,167.3390**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0435	17.9835	19.3326	0.0328		1.0570	1.0570		0.9835	0.9835	0.0000	3,146.1520	3,146.1520	0.8475		3,167.3390
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.0435**	**17.9835**	**19.3326**	**0.0328**		**1.0570**	**1.0570**		**0.9835**	**0.9835**	**0.0000**	**3,146.1520**	**3,146.1520**	**0.8475**		**3,167.3390**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Hollywood Center - West - Construction

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	41.60	1000sqft	0.10	41,600.00	0
Enclosed Parking with Elevator	837.00	Space	0.50	432,956.00	0
Other Non-Asphalt Surfaces	22.45	1000sqft	0.10	22,450.00	0
User Defined Parking	5.16	User Defined Unit	0.22	5,163.00	0
City Park	0.79	Acre	0.10	34,205.00	0
Fast Food Restaurant w/o Drive Thru	1.98	1000sqft	0.10	1,983.00	0
High Turnover (Sit Down Restaurant)	11.24	1000sqft	0.10	11,237.00	0
Apartments Mid Rise	68.00	Dwelling Unit	0.20	67,705.00	194
Condo/Townhouse High Rise	449.00	Dwelling Unit	0.50	581,464.00	1284

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2024
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - see construction assumptions

Construction Phase - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions. Jackhammer assumed to be powered by generator set.

Off-road Equipment - see construction assumptions. Jackhammers assumed to be powered by generator set.

Off-road Equipment - see construction assumptions. Jackhammers assumed to be powered by generator.

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Trips and VMT - see construction assumptions

Demolition - 912 CY converted to building square footage.

Grading - see construction assumptions

Woodstoves - see construction assumptions

Construction Off-road Equipment Mitigation - see construction assumptions

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	44,513.00	55,738.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	133,538.00	167,213.00
tblArchitecturalCoating	ConstArea_Parking	27,634.00	26,287.00
tblAreaCoating	Area_Nonresidential_Exterior	44513	45115
tblAreaCoating	Area_Nonresidential_Interior	133538	135344
tblAreaCoating	Area_Parking	27634	26786
tblAreaCoating	Area_Residential_Exterior	438189	437603
tblAreaCoating	Area_Residential_Interior	1314567	1312808
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	FuelType	Diesel	Electrical

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstructionPhase	NumDays	10.00	398.00
tblConstructionPhase	NumDays	200.00	49.00
tblConstructionPhase	NumDays	200.00	639.00
tblConstructionPhase	NumDays	20.00	49.00
tblConstructionPhase	NumDays	4.00	279.00
tblConstructionPhase	NumDays	10.00	76.00
tblConstructionPhase	NumDays	2.00	24.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	57.80	0.00
tblFireplaces	NumberGas	381.65	0.00
tblFireplaces	NumberNoFireplace	6.80	0.00
tblFireplaces	NumberNoFireplace	44.90	0.00
tblFireplaces	NumberWood	3.40	0.00
tblFireplaces	NumberWood	22.45	0.00
tblGrading	AcresOfGrading	0.00	1.92
tblGrading	AcresOfGrading	0.00	1.92

tblGrading	MaterialExported	0.00	281,370.00
tblLandUse	LandUseSquareFeet	334,800.00	432,956.00
tblLandUse	LandUseSquareFeet	0.00	5,163.00
tblLandUse	LandUseSquareFeet	34,412.40	34,205.00
tblLandUse	LandUseSquareFeet	1,980.00	1,983.00
tblLandUse	LandUseSquareFeet	11,240.00	11,237.00
tblLandUse	LandUseSquareFeet	68,000.00	67,705.00
tblLandUse	LandUseSquareFeet	449,000.00	581,464.00
tblLandUse	LotAcreage	0.96	0.10
tblLandUse	LotAcreage	7.53	0.50
tblLandUse	LotAcreage	0.52	0.10
tblLandUse	LotAcreage	0.00	0.22
tblLandUse	LotAcreage	0.79	0.10
tblLandUse	LotAcreage	0.05	0.10
tblLandUse	LotAcreage	0.26	0.10
tblLandUse	LotAcreage	1.79	0.20
tblLandUse	LotAcreage	7.02	0.50
tblOffRoadEquipment	HorsePower	187.00	84.00
tblOffRoadEquipment	LoadFactor	0.41	0.74
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	38.69	39.23
tblWater	IndoorWaterUseRate	7,393,723.92	7,496,809.49
tblWater	OutdoorWaterUseRate	941,270.27	953,185.08
tblWater	OutdoorWaterUseRate	4,531,637.24	4,594,818.72
tblWoodstoves	NumberCatalytic	3.40	0.00
tblWoodstoves	NumberCatalytic	22.45	0.00
tblWoodstoves	NumberNoncatalytic	3.40	0.00
tblWoodstoves	NumberNoncatalytic	22.45	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/4/2021	3/1/2021	6	49	
2	Utilities/Trenching	Trenching	1/14/2021	2/3/2021	6	18	
3	Site Preparation	Site Preparation	2/1/2021	2/28/2021	6	24	
4	Grading	Grading	2/11/2021	1/2/2022	6	279	
5	Foundations/Concrete Pour	Building Construction	1/3/2022	2/28/2022	6	49	
6	Building Construction	Building Construction	3/1/2022	3/14/2024	6	639	
7	Architectural Coating	Architectural Coating	10/25/2022	1/31/2024	6	398	
8	Paving	Paving	7/6/2023	10/2/2023	6	76	

Acres of Grading (Site Preparation Phase): 1.923

Acres of Grading (Grading Phase): 1.923

Acres of Paving: 0.823

Residential Indoor: 1,314,567; Residential Outdoor: 438,189; Non-Residential Indoor: 167,213; Non-Residential Outdoor: 55,738; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Air Compressors	1	8.00	78	0.48
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition	Dumpers/Tenders	1	8.00	16	0.38
Demolition	Excavators	1	8.00	158	0.38
Demolition	Generator Sets	1	8.00	84	0.74
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Rubber Tired Loaders	1	8.00	203	0.36
Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Utilities/Trenching	Air Compressors	1	8.00	78	0.48

Utilities/Trenching	Concrete/Industrial Saws	1	8.00	81	0.73
Utilities/Trenching	Cranes	1	8.00	231	0.29
Utilities/Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Excavators	1	8.00	158	0.38
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	0	7.00	247	0.40
Site Preparation	Rubber Tired Loaders	1	8.00	203	0.36
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Dumpers/Tenders	2	8.00	16	0.38
Grading	Excavators	4	8.00	158	0.38
Grading	Graders	0	6.00	187	0.41
Grading	Plate Compactors	2	8.00	8	0.43
Grading	Rubber Tired Dozers	0	6.00	247	0.40
Grading	Rubber Tired Loaders	2	8.00	203	0.36
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Foundations/Concrete Pour	Air Compressors	1	8.00	78	0.48
Foundations/Concrete Pour	Cranes	1	8.00	231	0.29
Foundations/Concrete Pour	Dumpers/Tenders	2	8.00	16	0.38
Foundations/Concrete Pour	Forklifts	1	8.00	89	0.20
Foundations/Concrete Pour	Generator Sets	1	8.00	84	0.74
Foundations/Concrete Pour	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Foundations/Concrete Pour	Welders	0	8.00	46	0.45
Building Construction	Air Compressors	1	8.00	78	0.48
Building Construction	Bore/Drill Rigs	1	8.00	221	0.50
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Dumpers/Tenders	2	8.00	16	0.38
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Building Construction	Welders	0	8.00	46	0.45
Architectural Coating	Air Compressors	1	8.00	78	0.48
Architectural Coating	Dumpers/Tenders	1	8.00	16	0.38
Architectural Coating	Forklifts	1	8.00	89	0.20
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Concrete/Industrial Saws	1	8.00	81	0.73
Paving	Graders	1	8.00	84	0.74
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Plate Compactors	1	8.00	8	0.43
Paving	Rollers	1	8.00	80	0.38
Paving	Surfacing Equipment	1	8.00	263	0.30
Paving	Sweepers/Scrubbers	1	8.00	64	0.46
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2009	0.0000	0.2009	0.0304	0.0000	0.0304			0.0000			0.0000
Off-Road	2.0646	17.7595	18.5775	0.0352		0.8902	0.8902		0.8715	0.8715		3,349.9864	3,349.9864	0.4904		3,362.2472
Total	**2.0646**	**17.7595**	**18.5775**	**0.0352**	**0.2009**	**0.8902**	**1.0911**	**0.0304**	**0.8715**	**0.9020**		**3,349.9864**	**3,349.9864**	**0.4904**		**3,362.2472**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0784	0.0000	0.0784	0.0119	0.0000	0.0119			0.0000			0.0000
Off-Road	2.0646	17.7595	18.5775	0.0352		0.8902	0.8902		0.8715	0.8715	0.0000	3,349.9864	3,349.9864	0.4904		3,362.2472
Total	**2.0646**	**17.7595**	**18.5775**	**0.0352**	**0.0784**	**0.8902**	**0.9685**	**0.0119**	**0.8715**	**0.8834**	**0.0000**	**3,349.9864**	**3,349.9864**	**0.4904**		**3,362.2472**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.3 Utilities/Trenching - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2769	11.8188	10.3405	0.0191		0.6072	0.6072		0.5825	0.5825		1,827.5675	1,827.5675	0.3382		1,836.0224
Total	**1.2769**	**11.8188**	**10.3405**	**0.0191**		**0.6072**	**0.6072**		**0.5825**	**0.5825**		**1,827.5675**	**1,827.5675**	**0.3382**		**1,836.0224**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8640	6.9695	8.3577	0.0191		0.4104	0.4104		0.4014	0.4014	0.0000	1,268.8288	1,268.8288	0.1575		1,272.7659
Total	**0.8640**	**6.9695**	**8.3577**	**0.0191**		**0.4104**	**0.4104**		**0.4014**	**0.4014**	**0.0000**	**1,268.8288**	**1,268.8288**	**0.1575**		**1,272.7659**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.4 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0850	0.0000	0.0850	9.1800e-003	0.0000	9.1800e-003			0.0000			0.0000
Off-Road	0.5722	6.0172	4.8705	0.0114		0.2333	0.2333		0.2146	0.2146		1,105.4182	1,105.4182	0.3575		1,114.3561
Total	**0.5722**	**6.0172**	**4.8705**	**0.0114**	**0.0850**	**0.2333**	**0.3183**	**9.1800e-003**	**0.2146**	**0.2238**		**1,105.4182**	**1,105.4182**	**0.3575**		**1,114.3561**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0331	0.0000	0.0331	3.5800e-003	0.0000	3.5800e-003			0.0000			0.0000
Off-Road	0.5722	6.0172	4.8705	0.0114		0.2333	0.2333		0.2146	0.2146	0.0000	1,105.4182	1,105.4182	0.3575		1,114.3561
Total	**0.5722**	**6.0172**	**4.8705**	**0.0114**	**0.0331**	**0.2333**	**0.2664**	**3.5800e-003**	**0.2146**	**0.2182**	**0.0000**	**1,105.4182**	**1,105.4182**	**0.3575**		**1,114.3561**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.5 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1214	0.0000	0.1214	0.0181	0.0000	0.0181			0.0000			0.0000
Off-Road	2.0171	19.6688	19.4674	0.0388		0.8417	0.8417		0.7787	0.7787		3,702.9598	3,702.9598	1.1561		3,731.8631
Total	**2.0171**	**19.6688**	**19.4674**	**0.0388**	**0.1214**	**0.8417**	**0.9631**	**0.0181**	**0.7787**	**0.7968**		**3,702.9598**	**3,702.9598**	**1.1561**		**3,731.8631**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0473	0.0000	0.0473	7.0400e-003	0.0000	7.0400e-003			0.0000			0.0000
Off-Road	2.0171	19.6688	19.4674	0.0388		0.8417	0.8417		0.7787	0.7787	0.0000	3,702.9598	3,702.9598	1.1561		3,731.8631
Total	**2.0171**	**19.6688**	**19.4674**	**0.0388**	**0.0473**	**0.8417**	**0.8890**	**7.0400e-003**	**0.7787**	**0.7858**	**0.0000**	**3,702.9598**	**3,702.9598**	**1.1561**		**3,731.8631**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.5 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1214	0.0000	0.1214	0.0181	0.0000	0.0181			0.0000			0.0000
Off-Road	1.7843	16.2652	19.2435	0.0388		0.6910	0.6910		0.6401	0.6401		3,703.4681	3,703.4681	1.1563		3,732.3755
Total	**1.7843**	**16.2652**	**19.2435**	**0.0388**	**0.1214**	**0.6910**	**0.8124**	**0.0181**	**0.6401**	**0.6581**		**3,703.4681**	**3,703.4681**	**1.1563**		**3,732.3755**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0473	0.0000	0.0473	7.0400e-003	0.0000	7.0400e-003			0.0000			0.0000
Off-Road	1.7843	16.2652	19.2435	0.0388		0.6910	0.6910		0.6401	0.6401	0.0000	3,703.4681	3,703.4681	1.1563		3,732.3755
Total	**1.7843**	**16.2652**	**19.2435**	**0.0388**	**0.0473**	**0.6910**	**0.7383**	**7.0400e-003**	**0.6401**	**0.6471**	**0.0000**	**3,703.4681**	**3,703.4681**	**1.1563**		**3,732.3755**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.6 Foundations/Concrete Pour - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4009	12.6501	11.8797	0.0225		0.6243	0.6243		0.5976	0.5976		2,128.2794	2,128.2794	0.3932		2,138.1083
Total	**1.4009**	**12.6501**	**11.8797**	**0.0225**		**0.6243**	**0.6243**		**0.5976**	**0.5976**		**2,128.2794**	**2,128.2794**	**0.3932**		**2,138.1083**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0279	8.4658	9.9874	0.0225		0.4506	0.4506		0.4378	0.4378	0.0000	1,569.4491	1,569.4491	0.2124		1,574.7595
Total	**1.0279**	**8.4658**	**9.9874**	**0.0225**		**0.4506**	**0.4506**		**0.4378**	**0.4378**	**0.0000**	**1,569.4491**	**1,569.4491**	**0.2124**		**1,574.7595**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.7 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3499	22.0696	19.5451	0.0442		1.0265	1.0265		0.9801	0.9801		4,223.7051	4,223.7051	0.9012		4,246.2339
Total	**2.3499**	**22.0696**	**19.5451**	**0.0442**		**1.0265**	**1.0265**		**0.9801**	**0.9801**		**4,223.7051**	**4,223.7051**	**0.9012**		**4,246.2339**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1498	4.6040	1.3289	0.0124	0.3201	8.9600e-003	0.3291	0.0922	8.5700e-003	0.1007		1,324.8514	1,324.8514	0.0833		1,326.9330

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6039	13.7011	15.7604	0.0442		0.6790	0.6790		0.6604	0.6604	0.0000	3,106.0444	3,106.0444	0.5397		3,119.5363
Total	**1.6039**	**13.7011**	**15.7604**	**0.0442**		**0.6790**	**0.6790**		**0.6604**	**0.6604**	**0.0000**	**3,106.0444**	**3,106.0444**	**0.5397**		**3,119.5363**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1498	4.6040	1.3289	0.0124	0.3201	8.9600e-003	0.3291	0.0922	8.5700e-003	0.1007		1,324.8514	1,324.8514	0.0833		1,326.9330

3.7 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2080	20.3008	19.3889	0.0443		0.9121	0.9121		0.8705	0.8705		4,225.8629	4,225.8629	0.8944		4,248.2225
Total	**2.2080**	**20.3008**	**19.3889**	**0.0443**		**0.9121**	**0.9121**		**0.8705**	**0.8705**		**4,225.8629**	**4,225.8629**	**0.8944**		**4,248.2225**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1113	3.4869	1.1808	0.0120	0.3201	4.2600e-003	0.3244	0.0922	4.0700e-003	0.0962		1,283.7065	1,283.7065	0.0733		1,285.5390

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5052	12.6697	15.7201	0.0443		0.5934	0.5934		0.5773	0.5773	0.0000	3,108.2244	3,108.2244	0.5329		3,121.5474
Total	**1.5052**	**12.6697**	**15.7201**	**0.0443**		**0.5934**	**0.5934**		**0.5773**	**0.5773**	**0.0000**	**3,108.2244**	**3,108.2244**	**0.5329**		**3,121.5474**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1113	3.4869	1.1808	0.0120	0.3201	4.2600e-003	0.3244	0.0922	4.0700e-003	0.0962		1,283.7065	1,283.7065	0.0733		1,285.5390

3.7 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0910	18.9186	19.2617	0.0443		0.8155	0.8155		0.7778	0.7778		4,227.9894	4,227.9894	0.8905		4,250.2510
Total	**2.0910**	**18.9186**	**19.2617**	**0.0443**		**0.8155**	**0.8155**		**0.7778**	**0.7778**		**4,227.9894**	**4,227.9894**	**0.8905**		**4,250.2510**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1085	3.4744	1.1450	0.0119	0.3201	4.1800e-003	0.3243	0.0922	4.0000e-003	0.0962		1,278.7279	1,278.7279	0.0722		1,280.5326

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4275	11.9100	15.7123	0.0443		0.5239	0.5239		0.5095	0.5095	0.0000	3,110.3747	3,110.3747	0.5290		3,123.5998
Total	**1.4275**	**11.9100**	**15.7123**	**0.0443**		**0.5239**	**0.5239**		**0.5095**	**0.5095**	**0.0000**	**3,110.3747**	**3,110.3747**	**0.5290**		**3,123.5998**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1085	3.4744	1.1450	0.0119	0.3201	4.1800e-003	0.3243	0.0922	4.0000e-003	0.0962		1,278.7279	1,278.7279	0.0722		1,280.5326

3.8 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.1086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4598	3.3974	3.8227	6.2400e-003		0.1962	0.1962		0.1906	0.1906		584.2352	584.2352	0.0789		586.2065
Total	**13.5684**	**3.3974**	**3.8227**	**6.2400e-003**		**0.1962**	**0.1962**		**0.1906**	**0.1906**		**584.2352**	**584.2352**	**0.0789**		**586.2065**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.1086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4598	3.3974	3.8227	6.2400e-003		0.1962	0.1962		0.1906	0.1906	0.0000	584.2352	584.2352	0.0789		586.2065
Total	**13.5684**	**3.3974**	**3.8227**	**6.2400e-003**		**0.1962**	**0.1962**		**0.1906**	**0.1906**	**0.0000**	**584.2352**	**584.2352**	**0.0789**		**586.2065**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.8 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.1086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4315	3.1615	3.8104	6.2400e-003		0.1711	0.1711		0.1664	0.1664		584.2352	584.2352	0.0769		586.1569
Total	**13.5402**	**3.1615**	**3.8104**	**6.2400e-003**		**0.1711**	**0.1711**		**0.1664**	**0.1664**		**584.2352**	**584.2352**	**0.0769**		**586.1569**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.1086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4315	3.1615	3.8104	6.2400e-003		0.1711	0.1711		0.1664	0.1664	0.0000	584.2352	584.2352	0.0769		586.1569
Total	**13.5402**	**3.1615**	**3.8104**	**6.2400e-003**		**0.1711**	**0.1711**		**0.1664**	**0.1664**	**0.0000**	**584.2352**	**584.2352**	**0.0769**		**586.1569**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.8 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.1086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4087	2.9731	3.8037	6.2400e-003		0.1495	0.1495		0.1454	0.1454		584.2352	584.2352	0.0756		586.1239
Total	**13.5173**	**2.9731**	**3.8037**	**6.2400e-003**		**0.1495**	**0.1495**		**0.1454**	**0.1454**		**584.2352**	**584.2352**	**0.0756**		**586.1239**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.1086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4087	2.9731	3.8037	6.2400e-003		0.1495	0.1495		0.1454	0.1454	0.0000	584.2352	584.2352	0.0756		586.1239
Total	**13.5173**	**2.9731**	**3.8037**	**6.2400e-003**		**0.1495**	**0.1495**		**0.1454**	**0.1454**	**0.0000**	**584.2352**	**584.2352**	**0.0756**		**586.1239**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.9 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0435	17.9835	19.3326	0.0328		1.0570	1.0570		0.9835	0.9835		3,146.1520	3,146.1520	0.8475		3,167.3390
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.0435**	**17.9835**	**19.3326**	**0.0328**		**1.0570**	**1.0570**		**0.9835**	**0.9835**		**3,146.1520**	**3,146.1520**	**0.8475**		**3,167.3390**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0435	17.9835	19.3326	0.0328		1.0570	1.0570		0.9835	0.9835	0.0000	3,146.1520	3,146.1520	0.8475		3,167.3390
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.0435**	**17.9835**	**19.3326**	**0.0328**		**1.0570**	**1.0570**		**0.9835**	**0.9835**	**0.0000**	**3,146.1520**	**3,146.1520**	**0.8475**		**3,167.3390**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Hollywood Center - West Site - Pumps

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments High Rise	449.00	Dwelling Unit	0.50	581,000.00	1659

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2024
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - see construction assumptions

Construction Phase - see construction assumptions

Off-road Equipment - see construction assumptions

Trips and VMT - see construction assumptions

Woodstoves - see construction assumptions

Construction Off-road Equipment Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Residential_Exterior	392175	492589
tblAreaCoating	Area_Residential_Interior	1176525	1477766
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	100.00	1.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	381.65	0.00
tblFireplaces	NumberNoFireplace	44.90	0.00
tblFireplaces	NumberWood	22.45	0.00
tblLandUse	LandUseSquareFeet	449,000.00	581,000.00
tblLandUse	LotAcreage	7.24	0.50
tblLandUse	Population	1,284.00	1,659.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	UsageHours	4.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblSolidWaste	SolidWasteGenerationRate	206.54	266.80
tblWater	IndoorWaterUseRate	29,254,157.50	37,789,334.86
tblWater	OutdoorWaterUseRate	18,442,838.43	23,823,711.11
tblWoodstoves	NumberCatalytic	22.45	0.00
tblWoodstoves	NumberNoncatalytic	22.45	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Foundations/Concrete Pour	Building Construction	1/3/2022	1/3/2022	6	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Foundations/Concrete Pour	Cranes	0	6.00	231	0.29
Foundations/Concrete Pour	Forklifts	0	6.00	89	0.20
Foundations/Concrete Pour	Generator Sets	0	8.00	84	0.74
Foundations/Concrete Pour	Pumps	2	14.00	84	0.74
Foundations/Concrete Pour	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Foundations/Concrete Pour	Welders	0	8.00	46	0.45

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Foundations/Concrete Pour - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2317	10.3909	13.0615	0.0230		0.5449	0.5449		0.5449	0.5449		2,180.6210	2,180.6210	0.1113		2,183.4029
Total	**1.2317**	**10.3909**	**13.0615**	**0.0230**		**0.5449**	**0.5449**		**0.5449**	**0.5449**		**2,180.6210**	**2,180.6210**	**0.1113**		**2,183.4029**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2317	10.3909	13.0615	0.0230		0.5449	0.5449		0.5449	0.5449	0.0000	2,180.6210	2,180.6210	0.1113		2,183.4029
Total	**1.2317**	**10.3909**	**13.0615**	**0.0230**		**0.5449**	**0.5449**		**0.5449**	**0.5449**	**0.0000**	**2,180.6210**	**2,180.6210**	**0.1113**		**2,183.4029**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Hollywood Center - West Site - Pumps

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments High Rise	449.00	Dwelling Unit	0.50	581,000.00	1659

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2024
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - see construction assumptions

Construction Phase - see construction assumptions

Off-road Equipment - see construction assumptions

Trips and VMT - see construction assumptions

Woodstoves - see construction assumptions

Construction Off-road Equipment Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Residential_Exterior	392175	492589
tblAreaCoating	Area_Residential_Interior	1176525	1477766
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	100.00	1.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	381.65	0.00
tblFireplaces	NumberNoFireplace	44.90	0.00
tblFireplaces	NumberWood	22.45	0.00
tblLandUse	LandUseSquareFeet	449,000.00	581,000.00
tblLandUse	LotAcreage	7.24	0.50
tblLandUse	Population	1,284.00	1,659.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	UsageHours	4.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblSolidWaste	SolidWasteGenerationRate	206.54	266.80
tblWater	IndoorWaterUseRate	29,254,157.50	37,789,334.86
tblWater	OutdoorWaterUseRate	18,442,838.43	23,823,711.11
tblWoodstoves	NumberCatalytic	22.45	0.00
tblWoodstoves	NumberNoncatalytic	22.45	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Foundations/Concrete Pour	Building Construction	1/3/2022	1/3/2022	6	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Foundations/Concrete Pour	Cranes	0	6.00	231	0.29
Foundations/Concrete Pour	Forklifts	0	6.00	89	0.20
Foundations/Concrete Pour	Generator Sets	0	8.00	84	0.74
Foundations/Concrete Pour	Pumps	2	14.00	84	0.74
Foundations/Concrete Pour	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Foundations/Concrete Pour	Welders	0	8.00	46	0.45

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Foundations/Concrete Pour - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2317	10.3909	13.0615	0.0230		0.5449	0.5449		0.5449	0.5449		2,180.6210	2,180.6210	0.1113		2,183.4029
Total	**1.2317**	**10.3909**	**13.0615**	**0.0230**		**0.5449**	**0.5449**		**0.5449**	**0.5449**		**2,180.6210**	**2,180.6210**	**0.1113**		**2,183.4029**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2317	10.3909	13.0615	0.0230		0.5449	0.5449		0.5449	0.5449	0.0000	2,180.6210	2,180.6210	0.1113		2,183.4029
Total	**1.2317**	**10.3909**	**13.0615**	**0.0230**		**0.5449**	**0.5449**		**0.5449**	**0.5449**	**0.0000**	**2,180.6210**	**2,180.6210**	**0.1113**		**2,183.4029**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Hollywood Center-West Site-Drill Rig

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments High Rise	449.00	Dwelling Unit	0.50	581,464.00	1284

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2024
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - see construction assumptions

Construction Phase - see construction assumptions

Off-road Equipment - see construction assumptions

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	2.00	279.00

tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	1/20/2021	1/2/2022
tblConstructionPhase	PhaseStartDate	1/19/2021	2/11/2021
tblLandUse	LandUseSquareFeet	449,000.00	581,464.00
tblLandUse	LotAcreage	7.24	0.50
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	2/11/2021	1/2/2022	6	279	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Bore/Drill Rigs	1	8.00	221	0.50
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Rubber Tired Dozers	0	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	6.00	97	0.37

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2595	3.0379	2.0843	9.4700e-003		0.0921	0.0921		0.0847	0.0847		916.6227	916.6227	0.2965		924.0341
Total	**0.2595**	**3.0379**	**2.0843**	**9.4700e-003**	**0.0000**	**0.0921**	**0.0921**	**0.0000**	**0.0847**	**0.0847**		**916.6227**	**916.6227**	**0.2965**		**924.0341**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2595	3.0379	2.0843	9.4700e-003		0.0921	0.0921		0.0847	0.0847	0.0000	916.6227	916.6227	0.2965		924.0341
Total	**0.2595**	**3.0379**	**2.0843**	**9.4700e-003**	**0.0000**	**0.0921**	**0.0921**	**0.0000**	**0.0847**	**0.0847**	**0.0000**	**916.6227**	**916.6227**	**0.2965**		**924.0341**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2252	2.2778	2.0514	9.4900e-003		0.0731	0.0731		0.0673	0.0673		918.1286	918.1286	0.2969		925.5522
Total	**0.2252**	**2.2778**	**2.0514**	**9.4900e-003**	**0.0000**	**0.0731**	**0.0731**	**0.0000**	**0.0673**	**0.0673**		**918.1286**	**918.1286**	**0.2969**		**925.5522**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2252	2.2778	2.0514	9.4900e-003		0.0731	0.0731		0.0673	0.0673	0.0000	918.1286	918.1286	0.2969		925.5522
Total	**0.2252**	**2.2778**	**2.0514**	**9.4900e-003**	**0.0000**	**0.0731**	**0.0731**	**0.0000**	**0.0673**	**0.0673**	**0.0000**	**918.1286**	**918.1286**	**0.2969**		**925.5522**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Hollywood Center-West Site-Drill Rig

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments High Rise	449.00	Dwelling Unit	0.50	581,464.00	1284

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2024
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - see construction assumptions

Construction Phase - see construction assumptions

Off-road Equipment - see construction assumptions

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	2.00	279.00

tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	1/20/2021	1/2/2022
tblConstructionPhase	PhaseStartDate	1/19/2021	2/11/2021
tblLandUse	LandUseSquareFeet	449,000.00	581,464.00
tblLandUse	LotAcreage	7.24	0.50
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	2/11/2021	1/2/2022	6	279	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Bore/Drill Rigs	1	8.00	221	0.50
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Rubber Tired Dozers	0	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	6.00	97	0.37

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2595	3.0379	2.0843	9.4700e-003		0.0921	0.0921		0.0847	0.0847		916.6227	916.6227	0.2965		924.0341
Total	**0.2595**	**3.0379**	**2.0843**	**9.4700e-003**	**0.0000**	**0.0921**	**0.0921**	**0.0000**	**0.0847**	**0.0847**		**916.6227**	**916.6227**	**0.2965**		**924.0341**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2595	3.0379	2.0843	9.4700e-003		0.0921	0.0921		0.0847	0.0847	0.0000	916.6227	916.6227	0.2965		924.0341
Total	**0.2595**	**3.0379**	**2.0843**	**9.4700e-003**	**0.0000**	**0.0921**	**0.0921**	**0.0000**	**0.0847**	**0.0847**	**0.0000**	**916.6227**	**916.6227**	**0.2965**		**924.0341**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2252	2.2778	2.0514	9.4900e-003		0.0731	0.0731		0.0673	0.0673		918.1286	918.1286	0.2969		925.5522
Total	**0.2252**	**2.2778**	**2.0514**	**9.4900e-003**	**0.0000**	**0.0731**	**0.0731**	**0.0000**	**0.0673**	**0.0673**		**918.1286**	**918.1286**	**0.2969**		**925.5522**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2252	2.2778	2.0514	9.4900e-003		0.0731	0.0731		0.0673	0.0673	0.0000	918.1286	918.1286	0.2969		925.5522
Total	**0.2252**	**2.2778**	**2.0514**	**9.4900e-003**	**0.0000**	**0.0731**	**0.0731**	**0.0000**	**0.0673**	**0.0673**	**0.0000**	**918.1286**	**918.1286**	**0.2969**		**925.5522**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Construction-West-Cranes

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments High Rise	449.00	Dwelling Unit	0.50	581,464.00	1284

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2024
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - see construction assumptions

Construction Phase - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Trips and VMT - see construction assumptions

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	100.00	639.00
tblConstructionPhase	NumDays	100.00	49.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	6/9/2021	3/14/2024
tblConstructionPhase	PhaseEndDate	1/15/2021	2/3/2021
tblConstructionPhase	PhaseEndDate	1/18/2021	2/28/2022
tblConstructionPhase	PhaseStartDate	1/21/2021	3/1/2022
tblConstructionPhase	PhaseStartDate	1/4/2021	1/14/2021
tblConstructionPhase	PhaseStartDate	1/16/2021	1/3/2022
tblLandUse	LandUseSquareFeet	449,000.00	581,464.00
tblLandUse	LotAcreage	7.24	0.50
tblOffRoadEquipment	LoadFactor	0.29	0.29
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblTripsAndVMT	VendorTripNumber	48.00	0.00
tblTripsAndVMT	VendorTripNumber	48.00	0.00
tblTripsAndVMT	WorkerTripNumber	3.00	0.00
tblTripsAndVMT	WorkerTripNumber	323.00	0.00
tblTripsAndVMT	WorkerTripNumber	323.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.4102	4.8176	1.9699	5.7300e-003	0.0000	0.1956	0.1956	0.0000	0.1800	0.1800	0.0000	555.0781	555.0781	0.1795	0.0000	559.5662
2022	0.7460	8.3686	3.7847	0.0115	0.0000	0.3475	0.3475	0.0000	0.3197	0.3197	0.0000	1,117.6607	1,117.6607	0.3615	0.0000	1,126.6976
2023	0.7028	7.6310	3.6688	0.0115	0.0000	0.3187	0.3187	0.0000	0.2932	0.2932	0.0000	1,117.6385	1,117.6385	0.3615	0.0000	1,126.6752
2024	0.6635	7.0086	3.5494	0.0115	0.0000	0.2916	0.2916	0.0000	0.2683	0.2683	0.0000	1,117.6147	1,117.6147	0.3615	0.0000	1,126.6512
Maximum	**0.7460**	**8.3686**	**3.7847**	**0.0115**	**0.0000**	**0.3475**	**0.3475**	**0.0000**	**0.3197**	**0.3197**	**0.0000**	**1,117.6607**	**1,117.6607**	**0.3615**	**0.0000**	**1,126.6976**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.4102	4.8176	1.9699	5.7300e-003	0.0000	0.1956	0.1956	0.0000	0.1800	0.1800	0.0000	555.0781	555.0781	0.1795	0.0000	559.5662
2022	0.7460	8.3686	3.7847	0.0115	0.0000	0.3475	0.3475	0.0000	0.3197	0.3197	0.0000	1,117.6607	1,117.6607	0.3615	0.0000	1,126.6976
2023	0.7028	7.6310	3.6688	0.0115	0.0000	0.3187	0.3187	0.0000	0.2932	0.2932	0.0000	1,117.6385	1,117.6385	0.3615	0.0000	1,126.6752
2024	0.6635	7.0086	3.5494	0.0115	0.0000	0.2916	0.2916	0.0000	0.2683	0.2683	0.0000	1,117.6147	1,117.6147	0.3615	0.0000	1,126.6512
Maximum	**0.7460**	**8.3686**	**3.7847**	**0.0115**	**0.0000**	**0.3475**	**0.3475**	**0.0000**	**0.3197**	**0.3197**	**0.0000**	**1,117.6607**	**1,117.6607**	**0.3615**	**0.0000**	**1,126.6976**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Utilities/Trenching	Trenching	1/14/2021	2/3/2021	6	18	
2	Foundations/Concrete Pour	Building Construction	1/3/2022	2/28/2022	6	49	
3	Building Construction	Building Construction	3/1/2022	3/14/2024	6	639	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Foundations/Concrete Pour	Cranes	1	8.00	231	0.29
Foundations/Concrete Pour	Forklifts	0	6.00	89	0.20
Utilities/Trenching	Concrete/Industrial Saws	0	8.00	81	0.73
Utilities/Trenching	Cranes	1	8.00	231	0.29
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Foundations/Concrete Pour	Graders	0	8.00	187	0.41
Utilities/Trenching	Rubber Tired Dozers	0	1.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Utilities/Trenching	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Foundations/Concrete Pour	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Utilities/Trenching	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Foundations/Concrete Pour	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	2	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Utilities/Trenching - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4102	4.8176	1.9699	5.7300e-003		0.1956	0.1956		0.1800	0.1800		555.0781	555.0781	0.1795		559.5662
Total	**0.4102**	**4.8176**	**1.9699**	**5.7300e-003**		**0.1956**	**0.1956**		**0.1800**	**0.1800**		**555.0781**	**555.0781**	**0.1795**		**559.5662**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4102	4.8176	1.9699	5.7300e-003		0.1956	0.1956		0.1800	0.1800	0.0000	555.0781	555.0781	0.1795		559.5662
Total	**0.4102**	**4.8176**	**1.9699**	**5.7300e-003**		**0.1956**	**0.1956**		**0.1800**	**0.1800**	**0.0000**	**555.0781**	**555.0781**	**0.1795**		**559.5662**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.3 Foundations/Concrete Pour - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3730	4.1843	1.8923	5.7700e-003		0.1737	0.1737		0.1598	0.1598		558.8304	558.8304	0.1807		563.3488
Total	**0.3730**	**4.1843**	**1.8923**	**5.7700e-003**		**0.1737**	**0.1737**		**0.1598**	**0.1598**		**558.8304**	**558.8304**	**0.1807**		**563.3488**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3730	4.1843	1.8923	5.7700e-003		0.1737	0.1737		0.1598	0.1598	0.0000	558.8304	558.8304	0.1807		563.3488
Total	**0.3730**	**4.1843**	**1.8923**	**5.7700e-003**		**0.1737**	**0.1737**		**0.1598**	**0.1598**	**0.0000**	**558.8304**	**558.8304**	**0.1807**		**563.3488**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7460	8.3686	3.7847	0.0115		0.3475	0.3475		0.3197	0.3197		1,117.6607	1,117.6607	0.3615		1,126.6976
Total	**0.7460**	**8.3686**	**3.7847**	**0.0115**		**0.3475**	**0.3475**		**0.3197**	**0.3197**		**1,117.6607**	**1,117.6607**	**0.3615**		**1,126.6976**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7460	8.3686	3.7847	0.0115		0.3475	0.3475		0.3197	0.3197	0.0000	1,117.6607	1,117.6607	0.3615		1,126.6976
Total	**0.7460**	**8.3686**	**3.7847**	**0.0115**		**0.3475**	**0.3475**		**0.3197**	**0.3197**	**0.0000**	**1,117.6607**	**1,117.6607**	**0.3615**		**1,126.6976**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7028	7.6310	3.6688	0.0115		0.3187	0.3187		0.2932	0.2932		1,117.6385	1,117.6385	0.3615		1,126.6752
Total	**0.7028**	**7.6310**	**3.6688**	**0.0115**		**0.3187**	**0.3187**		**0.2932**	**0.2932**		**1,117.6385**	**1,117.6385**	**0.3615**		**1,126.6752**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7028	7.6310	3.6688	0.0115		0.3187	0.3187		0.2932	0.2932	0.0000	1,117.6385	1,117.6385	0.3615		1,126.6752
Total	**0.7028**	**7.6310**	**3.6688**	**0.0115**		**0.3187**	**0.3187**		**0.2932**	**0.2932**	**0.0000**	**1,117.6385**	**1,117.6385**	**0.3615**		**1,126.6752**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6635	7.0086	3.5494	0.0115		0.2916	0.2916		0.2683	0.2683		1,117.6147	1,117.6147	0.3615		1,126.6512
Total	**0.6635**	**7.0086**	**3.5494**	**0.0115**		**0.2916**	**0.2916**		**0.2683**	**0.2683**		**1,117.6147**	**1,117.6147**	**0.3615**		**1,126.6512**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6635	7.0086	3.5494	0.0115		0.2916	0.2916		0.2683	0.2683	0.0000	1,117.6147	1,117.6147	0.3615		1,126.6512
Total	**0.6635**	**7.0086**	**3.5494**	**0.0115**		**0.2916**	**0.2916**		**0.2683**	**0.2683**	**0.0000**	**1,117.6147**	**1,117.6147**	**0.3615**		**1,126.6512**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Construction-West-Cranes

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments High Rise	449.00	Dwelling Unit	0.50	581,464.00	1284

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2024
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - see construction assumptions

Construction Phase - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Trips and VMT - see construction assumptions

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	100.00	639.00
tblConstructionPhase	NumDays	100.00	49.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	6/9/2021	3/14/2024
tblConstructionPhase	PhaseEndDate	1/15/2021	2/3/2021
tblConstructionPhase	PhaseEndDate	1/18/2021	2/28/2022
tblConstructionPhase	PhaseStartDate	1/21/2021	3/1/2022
tblConstructionPhase	PhaseStartDate	1/4/2021	1/14/2021
tblConstructionPhase	PhaseStartDate	1/16/2021	1/3/2022
tblLandUse	LandUseSquareFeet	449,000.00	581,464.00
tblLandUse	LotAcreage	7.24	0.50
tblOffRoadEquipment	LoadFactor	0.29	0.29
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblTripsAndVMT	VendorTripNumber	48.00	0.00
tblTripsAndVMT	VendorTripNumber	48.00	0.00
tblTripsAndVMT	WorkerTripNumber	3.00	0.00
tblTripsAndVMT	WorkerTripNumber	323.00	0.00
tblTripsAndVMT	WorkerTripNumber	323.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.4102	4.8176	1.9699	5.7300e-003	0.0000	0.1956	0.1956	0.0000	0.1800	0.1800	0.0000	555.0781	555.0781	0.1795	0.0000	559.5662
2022	0.7460	8.3686	3.7847	0.0115	0.0000	0.3475	0.3475	0.0000	0.3197	0.3197	0.0000	1,117.6607	1,117.6607	0.3615	0.0000	1,126.6976
2023	0.7028	7.6310	3.6688	0.0115	0.0000	0.3187	0.3187	0.0000	0.2932	0.2932	0.0000	1,117.6385	1,117.6385	0.3615	0.0000	1,126.6752
2024	0.6635	7.0086	3.5494	0.0115	0.0000	0.2916	0.2916	0.0000	0.2683	0.2683	0.0000	1,117.6147	1,117.6147	0.3615	0.0000	1,126.6512
Maximum	**0.7460**	**8.3686**	**3.7847**	**0.0115**	**0.0000**	**0.3475**	**0.3475**	**0.0000**	**0.3197**	**0.3197**	**0.0000**	**1,117.6607**	**1,117.6607**	**0.3615**	**0.0000**	**1,126.6976**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.4102	4.8176	1.9699	5.7300e-003	0.0000	0.1956	0.1956	0.0000	0.1800	0.1800	0.0000	555.0781	555.0781	0.1795	0.0000	559.5662
2022	0.7460	8.3686	3.7847	0.0115	0.0000	0.3475	0.3475	0.0000	0.3197	0.3197	0.0000	1,117.6607	1,117.6607	0.3615	0.0000	1,126.6976
2023	0.7028	7.6310	3.6688	0.0115	0.0000	0.3187	0.3187	0.0000	0.2932	0.2932	0.0000	1,117.6385	1,117.6385	0.3615	0.0000	1,126.6752
2024	0.6635	7.0086	3.5494	0.0115	0.0000	0.2916	0.2916	0.0000	0.2683	0.2683	0.0000	1,117.6147	1,117.6147	0.3615	0.0000	1,126.6512
Maximum	**0.7460**	**8.3686**	**3.7847**	**0.0115**	**0.0000**	**0.3475**	**0.3475**	**0.0000**	**0.3197**	**0.3197**	**0.0000**	**1,117.6607**	**1,117.6607**	**0.3615**	**0.0000**	**1,126.6976**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Utilities/Trenching	Trenching	1/14/2021	2/3/2021	6	18	
2	Foundations/Concrete Pour	Building Construction	1/3/2022	2/28/2022	6	49	
3	Building Construction	Building Construction	3/1/2022	3/14/2024	6	639	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Foundations/Concrete Pour	Cranes	1	8.00	231	0.29
Foundations/Concrete Pour	Forklifts	0	6.00	89	0.20
Utilities/Trenching	Concrete/Industrial Saws	0	8.00	81	0.73
Utilities/Trenching	Cranes	1	8.00	231	0.29
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Foundations/Concrete Pour	Graders	0	8.00	187	0.41
Utilities/Trenching	Rubber Tired Dozers	0	1.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Utilities/Trenching	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Foundations/Concrete Pour	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Utilities/Trenching	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Foundations/Concrete Pour	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	2	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Utilities/Trenching - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4102	4.8176	1.9699	5.7300e-003		0.1956	0.1956		0.1800	0.1800		555.0781	555.0781	0.1795		559.5662
Total	**0.4102**	**4.8176**	**1.9699**	**5.7300e-003**		**0.1956**	**0.1956**		**0.1800**	**0.1800**		**555.0781**	**555.0781**	**0.1795**		**559.5662**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4102	4.8176	1.9699	5.7300e-003		0.1956	0.1956		0.1800	0.1800	0.0000	555.0781	555.0781	0.1795		559.5662
Total	**0.4102**	**4.8176**	**1.9699**	**5.7300e-003**		**0.1956**	**0.1956**		**0.1800**	**0.1800**	**0.0000**	**555.0781**	**555.0781**	**0.1795**		**559.5662**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.3 Foundations/Concrete Pour - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3730	4.1843	1.8923	5.7700e-003		0.1737	0.1737		0.1598	0.1598		558.8304	558.8304	0.1807		563.3488
Total	**0.3730**	**4.1843**	**1.8923**	**5.7700e-003**		**0.1737**	**0.1737**		**0.1598**	**0.1598**		**558.8304**	**558.8304**	**0.1807**		**563.3488**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3730	4.1843	1.8923	5.7700e-003		0.1737	0.1737		0.1598	0.1598	0.0000	558.8304	558.8304	0.1807		563.3488
Total	**0.3730**	**4.1843**	**1.8923**	**5.7700e-003**		**0.1737**	**0.1737**		**0.1598**	**0.1598**	**0.0000**	**558.8304**	**558.8304**	**0.1807**		**563.3488**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7460	8.3686	3.7847	0.0115		0.3475	0.3475		0.3197	0.3197		1,117.6607	1,117.6607	0.3615		1,126.6976
Total	**0.7460**	**8.3686**	**3.7847**	**0.0115**		**0.3475**	**0.3475**		**0.3197**	**0.3197**		**1,117.6607**	**1,117.6607**	**0.3615**		**1,126.6976**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7460	8.3686	3.7847	0.0115		0.3475	0.3475		0.3197	0.3197	0.0000	1,117.6607	1,117.6607	0.3615		1,126.6976
Total	**0.7460**	**8.3686**	**3.7847**	**0.0115**		**0.3475**	**0.3475**		**0.3197**	**0.3197**	**0.0000**	**1,117.6607**	**1,117.6607**	**0.3615**		**1,126.6976**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7028	7.6310	3.6688	0.0115		0.3187	0.3187		0.2932	0.2932		1,117.6385	1,117.6385	0.3615		1,126.6752
Total	**0.7028**	**7.6310**	**3.6688**	**0.0115**		**0.3187**	**0.3187**		**0.2932**	**0.2932**		**1,117.6385**	**1,117.6385**	**0.3615**		**1,126.6752**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7028	7.6310	3.6688	0.0115		0.3187	0.3187		0.2932	0.2932	0.0000	1,117.6385	1,117.6385	0.3615		1,126.6752
Total	**0.7028**	**7.6310**	**3.6688**	**0.0115**		**0.3187**	**0.3187**		**0.2932**	**0.2932**	**0.0000**	**1,117.6385**	**1,117.6385**	**0.3615**		**1,126.6752**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6635	7.0086	3.5494	0.0115		0.2916	0.2916		0.2683	0.2683		1,117.6147	1,117.6147	0.3615		1,126.6512
Total	**0.6635**	**7.0086**	**3.5494**	**0.0115**		**0.2916**	**0.2916**		**0.2683**	**0.2683**		**1,117.6147**	**1,117.6147**	**0.3615**		**1,126.6512**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6635	7.0086	3.5494	0.0115		0.2916	0.2916		0.2683	0.2683	0.0000	1,117.6147	1,117.6147	0.3615		1,126.6512
Total	**0.6635**	**7.0086**	**3.5494**	**0.0115**		**0.2916**	**0.2916**		**0.2683**	**0.2683**	**0.0000**	**1,117.6147**	**1,117.6147**	**0.3615**		**1,126.6512**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Hollywood Center - East Site - Construction

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	32.66	1000sqft	0.10	32,665.00	0
Enclosed Parking with Elevator	684.00	Space	0.80	353,824.00	0
Other Non-Asphalt Surfaces	21.15	1000sqft	0.10	21,150.00	0
User Defined Parking	1.63	User Defined Unit	0.14	1,627.00	0
City Park	0.82	Acre	0.10	35,300.00	0
Fast Food Restaurant w/o Drive Thru	2.73	1000sqft	0.10	2,732.00	0
High Turnover (Sit Down Restaurant)	15.48	1000sqft	0.10	15,482.00	0
Apartments Mid Rise	65.00	Dwelling Unit	0.30	67,149.00	186
Condo/Townhouse High Rise	423.00	Dwelling Unit	0.95	575,100.00	1210

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - For construction, the all residential option was modelled. This is because the difference between this option and the residential/hotel option is negligible. See construction assumptions

Construction Phase - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions. jackhammers are assumed to be powered by generator sets.

Off-road Equipment - see construction assumptions. jackhammers are assumed to be powered by generator sets.

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Trips and VMT - see construction assumptions.

Grading - see construction assumptions.

Woodstoves - see construction assumptions

Construction Off-road Equipment Mitigation - see construction assumptions

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	43,090.00	53,665.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	129,269.00	160,994.00
tblArchitecturalCoating	ConstArea_Parking	22,596.00	21,327.00
tblAreaCoating	Area_Nonresidential_Exterior	43090	43340
tblAreaCoating	Area_Nonresidential_Interior	129269	130019
tblAreaCoating	Area_Parking	22596	22318
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstructionPhase	NumDays	10.00	401.00
tblConstructionPhase	NumDays	220.00	40.00
tblConstructionPhase	NumDays	220.00	726.00
tblConstructionPhase	NumDays	6.00	259.00

tblConstructionPhase	NumDays	10.00	78.00
tblConstructionPhase	NumDays	3.00	27.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	55.25	0.00
tblFireplaces	NumberGas	359.55	0.00
tblFireplaces	NumberNoFireplace	6.50	0.00
tblFireplaces	NumberNoFireplace	42.30	0.00
tblFireplaces	NumberWood	3.25	0.00
tblFireplaces	NumberWood	21.15	0.00
tblGrading	AcresOfGrading	0.00	2.69
tblGrading	AcresOfGrading	0.00	2.69
tblGrading	MaterialExported	0.00	260,930.00
tblGrading	MaterialExported	0.00	704.00
tblLandUse	LandUseSquareFeet	32,660.00	32,665.00
tblLandUse	LandUseSquareFeet	273,600.00	353,824.00
tblLandUse	LandUseSquareFeet	0.00	1,627.00
tblLandUse	LandUseSquareFeet	35,719.20	35,300.00
tblLandUse	LandUseSquareFeet	2,730.00	2,732.00

tblLandUse	LandUseSquareFeet	15,480.00	15,482.00
tblLandUse	LandUseSquareFeet	65,000.00	67,149.00
tblLandUse	LandUseSquareFeet	423,000.00	575,100.00
tblLandUse	LotAcreage	0.75	0.10
tblLandUse	LotAcreage	6.16	0.80
tblLandUse	LotAcreage	0.49	0.10
tblLandUse	LotAcreage	0.00	0.14
tblLandUse	LotAcreage	0.82	0.10
tblLandUse	LotAcreage	0.06	0.10
tblLandUse	LotAcreage	0.36	0.10
tblLandUse	LotAcreage	1.71	0.30
tblLandUse	LotAcreage	6.61	0.95
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00

tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	HaulingTripNumber	88.00	0.00
tblWoodstoves	NumberCatalytic	3.25	0.00
tblWoodstoves	NumberCatalytic	21.15	0.00
tblWoodstoves	NumberNoncatalytic	3.25	0.00
tblWoodstoves	NumberNoncatalytic	21.15	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	3/1/2022	3/31/2022	6	27	
2	Grading	Grading	3/15/2022	1/10/2023	6	259	
3	Utilities/Trenching	Trenching	3/15/2022	3/27/2022	6	11	
4	Foundations/Concrete Pour	Building Construction	1/11/2023	2/26/2023	6	40	
5	Building Construction	Building Construction	2/27/2023	6/22/2025	6	726	
6	Architectural Coating	Architectural Coating	10/14/2023	1/23/2025	6	401	
7	Paving	Paving	7/12/2024	10/10/2024	6	78	

Acres of Grading (Site Preparation Phase): 2.689

Acres of Grading (Grading Phase): 2.689

Acres of Paving: 1.039

Residential Indoor: 1,300,554; Residential Outdoor: 433,518; Non-Residential Indoor: 160,994; Non-Residential Outdoor: 53,665; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Excavators	1	8.00	158	0.38
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Rubber Tired Loaders	1	8.00	203	0.36
Site Preparation	Scrapers	0	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Grading	Dumpers/Tenders	2	8.00	16	0.38
Grading	Excavators	4	8.00	158	0.38
Grading	Graders	0	8.00	187	0.41
Grading	Plate Compactors	2	8.00	8	0.43
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Rubber Tired Loaders	2	8.00	203	0.36

Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Utilities/Trenching	Air Compressors	1	8.00	78	0.48
Utilities/Trenching	Concrete/Industrial Saws	1	8.00	81	0.73
Utilities/Trenching	Cranes	1	8.00	231	0.29
Utilities/Trenching	Rubber Tired Dozers	0	8.00	247	0.40
Utilities/Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Foundations/Concrete Pour	Air Compressors	1	8.00	78	0.48
Foundations/Concrete Pour	Cranes	1	8.00	231	0.29
Foundations/Concrete Pour	Dumpers/Tenders	1	8.00	16	0.38
Foundations/Concrete Pour	Forklifts	1	8.00	89	0.20
Foundations/Concrete Pour	Generator Sets	1	8.00	84	0.74
Foundations/Concrete Pour	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Foundations/Concrete Pour	Welders	0	8.00	46	0.45
Building Construction	Air Compressors	1	8.00	78	0.48
Building Construction	Bore/Drill Rigs	1	8.00	221	0.50
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Dumpers/Tenders	2	8.00	16	0.38
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Architectural Coating	Air Compressors	1	8.00	78	0.48
Architectural Coating	Dumpers/Tenders	1	8.00	16	0.38
Architectural Coating	Forklifts	1	8.00	89	0.20
Paving	Cement and Mortar Mixers	0	8.00	9	0.56
Paving	Concrete/Industrial Saws	1	8.00	81	0.73
Paving	Graders	1	8.00	187	0.41
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36

Paving	Plate Compactors	1	8.00	8	0.43
Paving	Rollers	1	8.00	80	0.38
Paving	Surfacing Equipment	1	8.00	263	0.30
Paving	Sweepers/Scrubbers	1	8.00	64	0.46
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1086	0.0000	0.1086	0.0119	0.0000	0.0119			0.0000			0.0000
Off-Road	0.4938	4.8020	4.7864	0.0114		0.1874	0.1874		0.1724	0.1724		1,105.6796	1,105.6796	0.3576		1,114.6196
Total	**0.4938**	**4.8020**	**4.7864**	**0.0114**	**0.1086**	**0.1874**	**0.2960**	**0.0119**	**0.1724**	**0.1842**		**1,105.6796**	**1,105.6796**	**0.3576**		**1,114.6196**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0423	0.0000	0.0423	4.6200e-003	0.0000	4.6200e-003			0.0000			0.0000
Off-Road	0.4938	4.8020	4.7864	0.0114		0.1874	0.1874		0.1724	0.1724	0.0000	1,105.6796	1,105.6796	0.3576		1,114.6196
Total	**0.4938**	**4.8020**	**4.7864**	**0.0114**	**0.0423**	**0.1874**	**0.2297**	**4.6200e-003**	**0.1724**	**0.1770**	**0.0000**	**1,105.6796**	**1,105.6796**	**0.3576**		**1,114.6196**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1249	0.0000	0.1249	0.0184	0.0000	0.0184			0.0000			0.0000
Off-Road	1.7843	16.2652	19.2435	0.0388		0.6910	0.6910		0.6401	0.6401		3,703.4681	3,703.4681	1.1563		3,732.3755
Total	**1.7843**	**16.2652**	**19.2435**	**0.0388**	**0.1249**	**0.6910**	**0.8159**	**0.0184**	**0.6401**	**0.6585**		**3,703.4681**	**3,703.4681**	**1.1563**		**3,732.3755**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0487	0.0000	0.0487	7.1900e-003	0.0000	7.1900e-003			0.0000			0.0000
Off-Road	1.7843	16.2652	19.2435	0.0388		0.6910	0.6910		0.6401	0.6401	0.0000	3,703.4681	3,703.4681	1.1563		3,732.3755
Total	**1.7843**	**16.2652**	**19.2435**	**0.0388**	**0.0487**	**0.6910**	**0.7397**	**7.1900e-003**	**0.6401**	**0.6473**	**0.0000**	**3,703.4681**	**3,703.4681**	**1.1563**		**3,732.3755**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1249	0.0000	0.1249	0.0184	0.0000	0.0184			0.0000			0.0000
Off-Road	1.6742	14.4712	19.2045	0.0388		0.6111	0.6111		0.5666	0.5666		3,703.9607	3,703.9607	1.1565		3,732.8721
Total	**1.6742**	**14.4712**	**19.2045**	**0.0388**	**0.1249**	**0.6111**	**0.7360**	**0.0184**	**0.5666**	**0.5850**		**3,703.9607**	**3,703.9607**	**1.1565**		**3,732.8721**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0487	0.0000	0.0487	7.1900e-003	0.0000	7.1900e-003			0.0000			0.0000
Off-Road	1.6742	14.4712	19.2045	0.0388		0.6111	0.6111		0.5666	0.5666	0.0000	3,703.9607	3,703.9607	1.1565		3,732.8721
Total	**1.6742**	**14.4712**	**19.2045**	**0.0388**	**0.0487**	**0.6111**	**0.6598**	**7.1900e-003**	**0.5666**	**0.5737**	**0.0000**	**3,703.9607**	**3,703.9607**	**1.1565**		**3,732.8721**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.4 Utilities/Trenching - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1681	10.5391	10.2131	0.0191		0.5230	0.5230		0.5019	0.5019		1,827.9980	1,827.9980	0.3349		1,836.3711
Total	**1.1681**	**10.5391**	**10.2131**	**0.0191**		**0.5230**	**0.5230**		**0.5019**	**0.5019**		**1,827.9980**	**1,827.9980**	**0.3349**		**1,836.3711**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7951	6.3548	8.3207	0.0191		0.3493	0.3493		0.3420	0.3420	0.0000	1,269.1677	1,269.1677	0.1542		1,273.0224
Total	**0.7951**	**6.3548**	**8.3207**	**0.0191**		**0.3493**	**0.3493**		**0.3420**	**0.3420**	**0.0000**	**1,269.1677**	**1,269.1677**	**0.1542**		**1,273.0224**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.5 Foundations/Concrete Pour - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2402	11.2283	11.5455	0.0217		0.5345	0.5345		0.5110	0.5110		2,067.6655	2,067.6655	0.3826		2,077.2292
Total	**1.2402**	**11.2283**	**11.5455**	**0.0217**		**0.5345**	**0.5345**		**0.5110**	**0.5110**		**2,067.6655**	**2,067.6655**	**0.3826**		**2,077.2292**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8888	7.4128	9.7111	0.0217		0.3752	0.3752		0.3644	0.3644	0.0000	1,508.8463	1,508.8463	0.2018		1,513.8916
Total	**0.8888**	**7.4128**	**9.7111**	**0.0217**		**0.3752**	**0.3752**		**0.3644**	**0.3644**	**0.0000**	**1,508.8463**	**1,508.8463**	**0.2018**		**1,513.8916**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.6 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2080	20.3008	19.3889	0.0443		0.9121	0.9121		0.8705	0.8705		4,225.8629	4,225.8629	0.8944		4,248.2225
Total	**2.2080**	**20.3008**	**19.3889**	**0.0443**		**0.9121**	**0.9121**		**0.8705**	**0.8705**		**4,225.8629**	**4,225.8629**	**0.8944**		**4,248.2225**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1058	3.5028	1.0844	0.0123	0.3201	4.0500e-003	0.3242	0.0922	3.8700e-003	0.0960		1,319.5371	1,319.5371	0.0693		1,321.2692

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5052	12.6697	15.7201	0.0443		0.5934	0.5934		0.5773	0.5773	0.0000	3,108.2244	3,108.2244	0.5329		3,121.5474
Total	**1.5052**	**12.6697**	**15.7201**	**0.0443**		**0.5934**	**0.5934**		**0.5773**	**0.5773**	**0.0000**	**3,108.2244**	**3,108.2244**	**0.5329**		**3,121.5474**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1058	3.5028	1.0844	0.0123	0.3201	4.0500e-003	0.3242	0.0922	3.8700e-003	0.0960		1,319.5371	1,319.5371	0.0693		1,321.2692

3.6 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0910	18.9186	19.2617	0.0443		0.8155	0.8155		0.7778	0.7778		4,227.9894	4,227.9894	0.8905		4,250.2510
Total	**2.0910**	**18.9186**	**19.2617**	**0.0443**		**0.8155**	**0.8155**		**0.7778**	**0.7778**		**4,227.9894**	**4,227.9894**	**0.8905**		**4,250.2510**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1033	3.4895	1.0514	0.0123	0.3201	4.0000e-003	0.3241	0.0922	3.8200e-003	0.0960		1,314.1822	1,314.1822	0.0683		1,315.8896

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4275	11.9100	15.7123	0.0443		0.5239	0.5239		0.5095	0.5095	0.0000	3,110.3747	3,110.3747	0.5290		3,123.5998
Total	**1.4275**	**11.9100**	**15.7123**	**0.0443**		**0.5239**	**0.5239**		**0.5095**	**0.5095**	**0.0000**	**3,110.3747**	**3,110.3747**	**0.5290**		**3,123.5998**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1033	3.4895	1.0514	0.0123	0.3201	4.0000e-003	0.3241	0.0922	3.8200e-003	0.0960		1,314.1822	1,314.1822	0.0683		1,315.8896

3.6 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9812	17.6329	19.1613	0.0443		0.7279	0.7279		0.6936	0.6936		4,228.2032	4,228.2032	0.8855		4,250.3403
Total	**1.9812**	**17.6329**	**19.1613**	**0.0443**		**0.7279**	**0.7279**		**0.6936**	**0.6936**		**4,228.2032**	**4,228.2032**	**0.8855**		**4,250.3403**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1007	3.4599	1.0244	0.0122	0.3201	3.9300e-003	0.3241	0.0922	3.7600e-003	0.0959		1,306.9409	1,306.9409	0.0673		1,308.6244

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3556	11.2970	15.6884	0.0443		0.4586	0.4586		0.4459	0.4459	0.0000	3,110.5507	3,110.5507	0.5240		3,123.6511
Total	**1.3556**	**11.2970**	**15.6884**	**0.0443**		**0.4586**	**0.4586**		**0.4459**	**0.4459**	**0.0000**	**3,110.5507**	**3,110.5507**	**0.5240**		**3,123.6511**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1007	3.4599	1.0244	0.0122	0.3201	3.9300e-003	0.3241	0.0922	3.7600e-003	0.0959		1,306.9409	1,306.9409	0.0673		1,308.6244

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.7494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4315	3.1615	3.8104	6.2400e-003		0.1711	0.1711		0.1664	0.1664		584.2352	584.2352	0.0769		586.1569
Total	**13.1809**	**3.1615**	**3.8104**	**6.2400e-003**		**0.1711**	**0.1711**		**0.1664**	**0.1664**		**584.2352**	**584.2352**	**0.0769**		**586.1569**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.7494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4315	3.1615	3.8104	6.2400e-003		0.1711	0.1711		0.1664	0.1664	0.0000	584.2352	584.2352	0.0769		586.1569
Total	**13.1809**	**3.1615**	**3.8104**	**6.2400e-003**		**0.1711**	**0.1711**		**0.1664**	**0.1664**	**0.0000**	**584.2352**	**584.2352**	**0.0769**		**586.1569**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.7494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4087	2.9731	3.8037	6.2400e-003		0.1495	0.1495		0.1454	0.1454		584.2352	584.2352	0.0756		586.1239
Total	**13.1581**	**2.9731**	**3.8037**	**6.2400e-003**		**0.1495**	**0.1495**		**0.1454**	**0.1454**		**584.2352**	**584.2352**	**0.0756**		**586.1239**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.7494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4087	2.9731	3.8037	6.2400e-003		0.1495	0.1495		0.1454	0.1454	0.0000	584.2352	584.2352	0.0756		586.1239
Total	**13.1581**	**2.9731**	**3.8037**	**6.2400e-003**		**0.1495**	**0.1495**		**0.1454**	**0.1454**	**0.0000**	**584.2352**	**584.2352**	**0.0756**		**586.1239**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.7 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.7494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3882	2.8104	3.7968	6.2400e-003		0.1298	0.1298		0.1263	0.1263		584.2352	584.2352	0.0749		586.1074
Total	**13.1376**	**2.8104**	**3.7968**	**6.2400e-003**		**0.1298**	**0.1298**		**0.1263**	**0.1263**		**584.2352**	**584.2352**	**0.0749**		**586.1074**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.7494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3882	2.8104	3.7968	6.2400e-003		0.1298	0.1298		0.1263	0.1263	0.0000	584.2352	584.2352	0.0749		586.1074
Total	**13.1376**	**2.8104**	**3.7968**	**6.2400e-003**		**0.1298**	**0.1298**		**0.1263**	**0.1263**	**0.0000**	**584.2352**	**584.2352**	**0.0749**		**586.1074**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.8 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5602	15.2487	16.3722	0.0341		0.6650	0.6650		0.6214	0.6214		3,271.9845	3,271.9845	0.8871		3,294.1628
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.5602**	**15.2487**	**16.3722**	**0.0341**		**0.6650**	**0.6650**		**0.6214**	**0.6214**		**3,271.9845**	**3,271.9845**	**0.8871**		**3,294.1628**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5602	15.2487	16.3722	0.0341		0.6650	0.6650		0.6214	0.6214	0.0000	3,271.9845	3,271.9845	0.8871		3,294.1628
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.5602**	**15.2487**	**16.3722**	**0.0341**		**0.6650**	**0.6650**		**0.6214**	**0.6214**	**0.0000**	**3,271.9845**	**3,271.9845**	**0.8871**		**3,294.1628**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Hollywood Center - East Site - Construction

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	32.66	1000sqft	0.10	32,665.00	0
Enclosed Parking with Elevator	684.00	Space	0.80	353,824.00	0
Other Non-Asphalt Surfaces	21.15	1000sqft	0.10	21,150.00	0
User Defined Parking	1.63	User Defined Unit	0.14	1,627.00	0
City Park	0.82	Acre	0.10	35,300.00	0
Fast Food Restaurant w/o Drive Thru	2.73	1000sqft	0.10	2,732.00	0
High Turnover (Sit Down Restaurant)	15.48	1000sqft	0.10	15,482.00	0
Apartments Mid Rise	65.00	Dwelling Unit	0.30	67,149.00	186
Condo/Townhouse High Rise	423.00	Dwelling Unit	0.95	575,100.00	1210

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - For construction, the all residential option was modelled. This is because the difference between this option and the residential/hotel option is negligible. See construction assumptions

Construction Phase - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions. jackhammers are assumed to be powered by generator sets.

Off-road Equipment - see construction assumptions. jackhammers are assumed to be powered by generator sets.

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Trips and VMT - see construction assumptions.

Grading - see construction assumptions.

Woodstoves - see construction assumptions

Construction Off-road Equipment Mitigation - see construction assumptions

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	43,090.00	53,665.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	129,269.00	160,994.00
tblArchitecturalCoating	ConstArea_Parking	22,596.00	21,327.00
tblAreaCoating	Area_Nonresidential_Exterior	43090	43340
tblAreaCoating	Area_Nonresidential_Interior	129269	130019
tblAreaCoating	Area_Parking	22596	22318
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstructionPhase	NumDays	10.00	401.00
tblConstructionPhase	NumDays	220.00	40.00
tblConstructionPhase	NumDays	220.00	726.00
tblConstructionPhase	NumDays	6.00	259.00

tblConstructionPhase	NumDays	10.00	78.00
tblConstructionPhase	NumDays	3.00	27.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	55.25	0.00
tblFireplaces	NumberGas	359.55	0.00
tblFireplaces	NumberNoFireplace	6.50	0.00
tblFireplaces	NumberNoFireplace	42.30	0.00
tblFireplaces	NumberWood	3.25	0.00
tblFireplaces	NumberWood	21.15	0.00
tblGrading	AcresOfGrading	0.00	2.69
tblGrading	AcresOfGrading	0.00	2.69
tblGrading	MaterialExported	0.00	260,930.00
tblGrading	MaterialExported	0.00	704.00
tblLandUse	LandUseSquareFeet	32,660.00	32,665.00
tblLandUse	LandUseSquareFeet	273,600.00	353,824.00
tblLandUse	LandUseSquareFeet	0.00	1,627.00
tblLandUse	LandUseSquareFeet	35,719.20	35,300.00
tblLandUse	LandUseSquareFeet	2,730.00	2,732.00

tblLandUse	LandUseSquareFeet	15,480.00	15,482.00
tblLandUse	LandUseSquareFeet	65,000.00	67,149.00
tblLandUse	LandUseSquareFeet	423,000.00	575,100.00
tblLandUse	LotAcreage	0.75	0.10
tblLandUse	LotAcreage	6.16	0.80
tblLandUse	LotAcreage	0.49	0.10
tblLandUse	LotAcreage	0.00	0.14
tblLandUse	LotAcreage	0.82	0.10
tblLandUse	LotAcreage	0.06	0.10
tblLandUse	LotAcreage	0.36	0.10
tblLandUse	LotAcreage	1.71	0.30
tblLandUse	LotAcreage	6.61	0.95
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00

tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblWoodstoves	NumberCatalytic	3.25	0.00
tblWoodstoves	NumberCatalytic	21.15	0.00
tblWoodstoves	NumberNoncatalytic	3.25	0.00
tblWoodstoves	NumberNoncatalytic	21.15	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	3/1/2022	3/31/2022	6	27	
2	Grading	Grading	3/15/2022	1/10/2023	6	259	
3	Utilities/Trenching	Trenching	3/15/2022	3/27/2022	6	11	
4	Foundations/Concrete Pour	Building Construction	1/11/2023	2/26/2023	6	40	
5	Building Construction	Building Construction	2/27/2023	6/22/2025	6	726	
6	Architectural Coating	Architectural Coating	10/14/2023	1/23/2025	6	401	
7	Paving	Paving	7/12/2024	10/10/2024	6	78	

Acres of Grading (Site Preparation Phase): 2.689

Acres of Grading (Grading Phase): 2.689

Acres of Paving: 1.039

Residential Indoor: 1,300,554; Residential Outdoor: 433,518; Non-Residential Indoor: 160,994; Non-Residential Outdoor: 53,665; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Excavators	1	8.00	158	0.38
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Rubber Tired Loaders	1	8.00	203	0.36
Site Preparation	Scrapers	0	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Grading	Dumpers/Tenders	2	8.00	16	0.38
Grading	Excavators	4	8.00	158	0.38
Grading	Graders	0	8.00	187	0.41
Grading	Plate Compactors	2	8.00	8	0.43
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Rubber Tired Loaders	2	8.00	203	0.36

Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Utilities/Trenching	Air Compressors	1	8.00	78	0.48
Utilities/Trenching	Concrete/Industrial Saws	1	8.00	81	0.73
Utilities/Trenching	Cranes	1	8.00	231	0.29
Utilities/Trenching	Rubber Tired Dozers	0	8.00	247	0.40
Utilities/Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Foundations/Concrete Pour	Air Compressors	1	8.00	78	0.48
Foundations/Concrete Pour	Cranes	1	8.00	231	0.29
Foundations/Concrete Pour	Dumpers/Tenders	1	8.00	16	0.38
Foundations/Concrete Pour	Forklifts	1	8.00	89	0.20
Foundations/Concrete Pour	Generator Sets	1	8.00	84	0.74
Foundations/Concrete Pour	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Foundations/Concrete Pour	Welders	0	8.00	46	0.45
Building Construction	Air Compressors	1	8.00	78	0.48
Building Construction	Bore/Drill Rigs	1	8.00	221	0.50
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Dumpers/Tenders	2	8.00	16	0.38
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Architectural Coating	Air Compressors	1	8.00	78	0.48
Architectural Coating	Dumpers/Tenders	1	8.00	16	0.38
Architectural Coating	Forklifts	1	8.00	89	0.20
Paving	Cement and Mortar Mixers	0	8.00	9	0.56
Paving	Concrete/Industrial Saws	1	8.00	81	0.73
Paving	Graders	1	8.00	187	0.41
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36

Paving	Plate Compactors	1	8.00	8	0.43
Paving	Rollers	1	8.00	80	0.38
Paving	Surfacing Equipment	1	8.00	263	0.30
Paving	Sweepers/Scrubbers	1	8.00	64	0.46
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1086	0.0000	0.1086	0.0119	0.0000	0.0119			0.0000			0.0000
Off-Road	0.4938	4.8020	4.7864	0.0114		0.1874	0.1874		0.1724	0.1724		1,105.6796	1,105.6796	0.3576		1,114.6196
Total	**0.4938**	**4.8020**	**4.7864**	**0.0114**	**0.1086**	**0.1874**	**0.2960**	**0.0119**	**0.1724**	**0.1842**		**1,105.6796**	**1,105.6796**	**0.3576**		**1,114.6196**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0423	0.0000	0.0423	4.6200e-003	0.0000	4.6200e-003			0.0000			0.0000
Off-Road	0.4938	4.8020	4.7864	0.0114		0.1874	0.1874		0.1724	0.1724	0.0000	1,105.6796	1,105.6796	0.3576		1,114.6196
Total	**0.4938**	**4.8020**	**4.7864**	**0.0114**	**0.0423**	**0.1874**	**0.2297**	**4.6200e-003**	**0.1724**	**0.1770**	**0.0000**	**1,105.6796**	**1,105.6796**	**0.3576**		**1,114.6196**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1249	0.0000	0.1249	0.0184	0.0000	0.0184			0.0000			0.0000
Off-Road	1.7843	16.2652	19.2435	0.0388		0.6910	0.6910		0.6401	0.6401		3,703.4681	3,703.4681	1.1563		3,732.3755
Total	**1.7843**	**16.2652**	**19.2435**	**0.0388**	**0.1249**	**0.6910**	**0.8159**	**0.0184**	**0.6401**	**0.6585**		**3,703.4681**	**3,703.4681**	**1.1563**		**3,732.3755**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0487	0.0000	0.0487	7.1900e-003	0.0000	7.1900e-003			0.0000			0.0000
Off-Road	1.7843	16.2652	19.2435	0.0388		0.6910	0.6910		0.6401	0.6401	0.0000	3,703.4681	3,703.4681	1.1563		3,732.3755
Total	**1.7843**	**16.2652**	**19.2435**	**0.0388**	**0.0487**	**0.6910**	**0.7397**	**7.1900e-003**	**0.6401**	**0.6473**	**0.0000**	**3,703.4681**	**3,703.4681**	**1.1563**		**3,732.3755**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1249	0.0000	0.1249	0.0184	0.0000	0.0184			0.0000			0.0000
Off-Road	1.6742	14.4712	19.2045	0.0388		0.6111	0.6111		0.5666	0.5666		3,703.9607	3,703.9607	1.1565		3,732.8721
Total	**1.6742**	**14.4712**	**19.2045**	**0.0388**	**0.1249**	**0.6111**	**0.7360**	**0.0184**	**0.5666**	**0.5850**		**3,703.9607**	**3,703.9607**	**1.1565**		**3,732.8721**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0487	0.0000	0.0487	7.1900e-003	0.0000	7.1900e-003			0.0000			0.0000
Off-Road	1.6742	14.4712	19.2045	0.0388		0.6111	0.6111		0.5666	0.5666	0.0000	3,703.9607	3,703.9607	1.1565		3,732.8721
Total	**1.6742**	**14.4712**	**19.2045**	**0.0388**	**0.0487**	**0.6111**	**0.6598**	**7.1900e-003**	**0.5666**	**0.5737**	**0.0000**	**3,703.9607**	**3,703.9607**	**1.1565**		**3,732.8721**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.4 Utilities/Trenching - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1681	10.5391	10.2131	0.0191		0.5230	0.5230		0.5019	0.5019		1,827.9980	1,827.9980	0.3349		1,836.3711
Total	**1.1681**	**10.5391**	**10.2131**	**0.0191**		**0.5230**	**0.5230**		**0.5019**	**0.5019**		**1,827.9980**	**1,827.9980**	**0.3349**		**1,836.3711**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7951	6.3548	8.3207	0.0191		0.3493	0.3493		0.3420	0.3420	0.0000	1,269.1677	1,269.1677	0.1542		1,273.0224
Total	**0.7951**	**6.3548**	**8.3207**	**0.0191**		**0.3493**	**0.3493**		**0.3420**	**0.3420**	**0.0000**	**1,269.1677**	**1,269.1677**	**0.1542**		**1,273.0224**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.5 Foundations/Concrete Pour - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2402	11.2283	11.5455	0.0217		0.5345	0.5345		0.5110	0.5110		2,067.6655	2,067.6655	0.3826		2,077.2292
Total	**1.2402**	**11.2283**	**11.5455**	**0.0217**		**0.5345**	**0.5345**		**0.5110**	**0.5110**		**2,067.6655**	**2,067.6655**	**0.3826**		**2,077.2292**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8888	7.4128	9.7111	0.0217		0.3752	0.3752		0.3644	0.3644	0.0000	1,508.8463	1,508.8463	0.2018		1,513.8916
Total	**0.8888**	**7.4128**	**9.7111**	**0.0217**		**0.3752**	**0.3752**		**0.3644**	**0.3644**	**0.0000**	**1,508.8463**	**1,508.8463**	**0.2018**		**1,513.8916**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.6 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2080	20.3008	19.3889	0.0443		0.9121	0.9121		0.8705	0.8705		4,225.8629	4,225.8629	0.8944		4,248.2225
Total	**2.2080**	**20.3008**	**19.3889**	**0.0443**		**0.9121**	**0.9121**		**0.8705**	**0.8705**		**4,225.8629**	**4,225.8629**	**0.8944**		**4,248.2225**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1113	3.4869	1.1808	0.0120	0.3201	4.2600e-003	0.3244	0.0922	4.0700e-003	0.0962		1,283.7065	1,283.7065	0.0733		1,285.5390

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5052	12.6697	15.7201	0.0443		0.5934	0.5934		0.5773	0.5773	0.0000	3,108.2244	3,108.2244	0.5329		3,121.5474
Total	**1.5052**	**12.6697**	**15.7201**	**0.0443**		**0.5934**	**0.5934**		**0.5773**	**0.5773**	**0.0000**	**3,108.2244**	**3,108.2244**	**0.5329**		**3,121.5474**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1113	3.4869	1.1808	0.0120	0.3201	4.2600e-003	0.3244	0.0922	4.0700e-003	0.0962		1,283.7065	1,283.7065	0.0733		1,285.5390

3.6 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0910	18.9186	19.2617	0.0443		0.8155	0.8155		0.7778	0.7778		4,227.9894	4,227.9894	0.8905		4,250.2510
Total	**2.0910**	**18.9186**	**19.2617**	**0.0443**		**0.8155**	**0.8155**		**0.7778**	**0.7778**		**4,227.9894**	**4,227.9894**	**0.8905**		**4,250.2510**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1085	3.4744	1.1450	0.0119	0.3201	4.1800e-003	0.3243	0.0922	4.0000e-003	0.0962		1,278.7279	1,278.7279	0.0722		1,280.5326

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4275	11.9100	15.7123	0.0443		0.5239	0.5239		0.5095	0.5095	0.0000	3,110.3747	3,110.3747	0.5290		3,123.5998
Total	**1.4275**	**11.9100**	**15.7123**	**0.0443**		**0.5239**	**0.5239**		**0.5095**	**0.5095**	**0.0000**	**3,110.3747**	**3,110.3747**	**0.5290**		**3,123.5998**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1085	3.4744	1.1450	0.0119	0.3201	4.1800e-003	0.3243	0.0922	4.0000e-003	0.0962		1,278.7279	1,278.7279	0.0722		1,280.5326

3.6 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9812	17.6329	19.1613	0.0443		0.7279	0.7279		0.6936	0.6936		4,228.2032	4,228.2032	0.8855		4,250.3403
Total	**1.9812**	**17.6329**	**19.1613**	**0.0443**		**0.7279**	**0.7279**		**0.6936**	**0.6936**		**4,228.2032**	**4,228.2032**	**0.8855**		**4,250.3403**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1058	3.4450	1.1158	0.0119	0.3201	4.1000e-003	0.3242	0.0922	3.9200e-003	0.0961		1,271.8712	1,271.8712	0.0711		1,273.6488

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3556	11.2970	15.6884	0.0443		0.4586	0.4586		0.4459	0.4459	0.0000	3,110.5507	3,110.5507	0.5240		3,123.6511
Total	**1.3556**	**11.2970**	**15.6884**	**0.0443**		**0.4586**	**0.4586**		**0.4459**	**0.4459**	**0.0000**	**3,110.5507**	**3,110.5507**	**0.5240**		**3,123.6511**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1058	3.4450	1.1158	0.0119	0.3201	4.1000e-003	0.3242	0.0922	3.9200e-003	0.0961		1,271.8712	1,271.8712	0.0711		1,273.6488

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.7494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4315	3.1615	3.8104	6.2400e-003		0.1711	0.1711		0.1664	0.1664		584.2352	584.2352	0.0769		586.1569
Total	**13.1809**	**3.1615**	**3.8104**	**6.2400e-003**		**0.1711**	**0.1711**		**0.1664**	**0.1664**		**584.2352**	**584.2352**	**0.0769**		**586.1569**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.7494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4315	3.1615	3.8104	6.2400e-003		0.1711	0.1711		0.1664	0.1664	0.0000	584.2352	584.2352	0.0769		586.1569
Total	**13.1809**	**3.1615**	**3.8104**	**6.2400e-003**		**0.1711**	**0.1711**		**0.1664**	**0.1664**	**0.0000**	**584.2352**	**584.2352**	**0.0769**		**586.1569**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.7494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4087	2.9731	3.8037	6.2400e-003		0.1495	0.1495		0.1454	0.1454		584.2352	584.2352	0.0756		586.1239
Total	**13.1581**	**2.9731**	**3.8037**	**6.2400e-003**		**0.1495**	**0.1495**		**0.1454**	**0.1454**		**584.2352**	**584.2352**	**0.0756**		**586.1239**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.7494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4087	2.9731	3.8037	6.2400e-003		0.1495	0.1495		0.1454	0.1454	0.0000	584.2352	584.2352	0.0756		586.1239
Total	**13.1581**	**2.9731**	**3.8037**	**6.2400e-003**		**0.1495**	**0.1495**		**0.1454**	**0.1454**	**0.0000**	**584.2352**	**584.2352**	**0.0756**		**586.1239**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.7 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.7494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3882	2.8104	3.7968	6.2400e-003		0.1298	0.1298		0.1263	0.1263		584.2352	584.2352	0.0749		586.1074
Total	**13.1376**	**2.8104**	**3.7968**	**6.2400e-003**		**0.1298**	**0.1298**		**0.1263**	**0.1263**		**584.2352**	**584.2352**	**0.0749**		**586.1074**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.7494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3882	2.8104	3.7968	6.2400e-003		0.1298	0.1298		0.1263	0.1263	0.0000	584.2352	584.2352	0.0749		586.1074
Total	**13.1376**	**2.8104**	**3.7968**	**6.2400e-003**		**0.1298**	**0.1298**		**0.1263**	**0.1263**	**0.0000**	**584.2352**	**584.2352**	**0.0749**		**586.1074**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.8 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5602	15.2487	16.3722	0.0341		0.6650	0.6650		0.6214	0.6214		3,271.9845	3,271.9845	0.8871		3,294.1628
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.5602**	**15.2487**	**16.3722**	**0.0341**		**0.6650**	**0.6650**		**0.6214**	**0.6214**		**3,271.9845**	**3,271.9845**	**0.8871**		**3,294.1628**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5602	15.2487	16.3722	0.0341		0.6650	0.6650		0.6214	0.6214	0.0000	3,271.9845	3,271.9845	0.8871		3,294.1628
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.5602**	**15.2487**	**16.3722**	**0.0341**		**0.6650**	**0.6650**		**0.6214**	**0.6214**	**0.0000**	**3,271.9845**	**3,271.9845**	**0.8871**		**3,294.1628**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Hollywood Center - East Site - Pumps

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments High Rise	423.00	Dwelling Unit	0.85	575,100.00	1181

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - see construction assumptions

Construction Phase - see construction assumptions

Off-road Equipment - see construction assumptions

Trips and VMT - see construction assumptions

Woodstoves - see construction assumptions

Construction Off-road Equipment Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Parking	0	100
tblAreaCoating	Area_Residential_Exterior	388193	370188
tblAreaCoating	Area_Residential_Interior	1164578	1110563
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	100.00	1.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	359.55	0.00
tblFireplaces	NumberNoFireplace	42.30	0.00
tblFireplaces	NumberWood	21.15	0.00
tblLandUse	LandUseSquareFeet	423,000.00	575,100.00
tblLandUse	LotAcreage	6.82	0.85
tblLandUse	Population	1,210.00	1,181.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	UsageHours	4.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblSolidWaste	SolidWasteGenerationRate	194.58	189.98
tblWater	IndoorWaterUseRate	27,560,152.84	26,908,612.58
tblWater	OutdoorWaterUseRate	17,374,878.96	16,964,125.32
tblWoodstoves	NumberCatalytic	21.15	0.00
tblWoodstoves	NumberNoncatalytic	21.15	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Foundations/Concrete Pour	Building Construction	1/11/2023	1/11/2023	6	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Foundations/Concrete Pour	Cranes	0	6.00	231	0.29
Foundations/Concrete Pour	Forklifts	0	6.00	89	0.20
Foundations/Concrete Pour	Generator Sets	0	8.00	84	0.74
Foundations/Concrete Pour	Pumps	2	11.00	84	0.74
Foundations/Concrete Pour	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Foundations/Concrete Pour	Welders	0	8.00	46	0.45

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Foundations/Concrete Pour - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9014	7.5703	10.2445	0.0181		0.3708	0.3708		0.3708	0.3708		1,713.3451	1,713.3451	0.0784		1,715.3047
Total	**0.9014**	**7.5703**	**10.2445**	**0.0181**		**0.3708**	**0.3708**		**0.3708**	**0.3708**		**1,713.3451**	**1,713.3451**	**0.0784**		**1,715.3047**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9014	7.5703	10.2445	0.0181		0.3708	0.3708		0.3708	0.3708	0.0000	1,713.3451	1,713.3451	0.0784		1,715.3047
Total	**0.9014**	**7.5703**	**10.2445**	**0.0181**		**0.3708**	**0.3708**		**0.3708**	**0.3708**	**0.0000**	**1,713.3451**	**1,713.3451**	**0.0784**		**1,715.3047**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Hollywood Center - East Site - Pumps

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments High Rise	423.00	Dwelling Unit	0.85	575,100.00	1181

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - see construction assumptions

Construction Phase - see construction assumptions

Off-road Equipment - see construction assumptions

Trips and VMT - see construction assumptions

Woodstoves - see construction assumptions

Construction Off-road Equipment Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Parking	0	100
tblAreaCoating	Area_Residential_Exterior	388193	370188
tblAreaCoating	Area_Residential_Interior	1164578	1110563
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	100.00	1.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	359.55	0.00
tblFireplaces	NumberNoFireplace	42.30	0.00
tblFireplaces	NumberWood	21.15	0.00
tblLandUse	LandUseSquareFeet	423,000.00	575,100.00
tblLandUse	LotAcreage	6.82	0.85
tblLandUse	Population	1,210.00	1,181.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	UsageHours	4.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblSolidWaste	SolidWasteGenerationRate	194.58	189.98
tblWater	IndoorWaterUseRate	27,560,152.84	26,908,612.58
tblWater	OutdoorWaterUseRate	17,374,878.96	16,964,125.32
tblWoodstoves	NumberCatalytic	21.15	0.00
tblWoodstoves	NumberNoncatalytic	21.15	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Foundations/Concrete Pour	Building Construction	1/11/2023	1/11/2023	6	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Foundations/Concrete Pour	Cranes	0	6.00	231	0.29
Foundations/Concrete Pour	Forklifts	0	6.00	89	0.20
Foundations/Concrete Pour	Generator Sets	0	8.00	84	0.74
Foundations/Concrete Pour	Pumps	2	11.00	84	0.74
Foundations/Concrete Pour	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Foundations/Concrete Pour	Welders	0	8.00	46	0.45

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Foundations/Concrete Pour - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9014	7.5703	10.2445	0.0181		0.3708	0.3708		0.3708	0.3708		1,713.3451	1,713.3451	0.0784		1,715.3047
Total	**0.9014**	**7.5703**	**10.2445**	**0.0181**		**0.3708**	**0.3708**		**0.3708**	**0.3708**		**1,713.3451**	**1,713.3451**	**0.0784**		**1,715.3047**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9014	7.5703	10.2445	0.0181		0.3708	0.3708		0.3708	0.3708	0.0000	1,713.3451	1,713.3451	0.0784		1,715.3047
Total	**0.9014**	**7.5703**	**10.2445**	**0.0181**		**0.3708**	**0.3708**		**0.3708**	**0.3708**	**0.0000**	**1,713.3451**	**1,713.3451**	**0.0784**		**1,715.3047**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Construction-East Site-Drill Rig

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments High Rise	423.00	Dwelling Unit	0.95	575,100.00	1210

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - see construction assumptions

Construction Phase - see construction assumptions

Off-road Equipment - see construction assumptions

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	2.00	259.00

tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	3/17/2022	1/10/2023
tblConstructionPhase	PhaseStartDate	3/16/2022	3/15/2022
tblLandUse	LandUseSquareFeet	423,000.00	575,100.00
tblLandUse	LotAcreage	6.82	0.95
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	3/15/2022	1/10/2023	6	259	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Bore/Drill Rigs	1	8.00	221	0.50
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Rubber Tired Dozers	0	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	6.00	97	0.37

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2252	2.2778	2.0514	9.4900e-003		0.0731	0.0731		0.0673	0.0673		918.1286	918.1286	0.2969		925.5522
Total	**0.2252**	**2.2778**	**2.0514**	**9.4900e-003**	**0.0000**	**0.0731**	**0.0731**	**0.0000**	**0.0673**	**0.0673**		**918.1286**	**918.1286**	**0.2969**		**925.5522**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2252	2.2778	2.0514	9.4900e-003		0.0731	0.0731		0.0673	0.0673	0.0000	918.1286	918.1286	0.2969		925.5522
Total	**0.2252**	**2.2778**	**2.0514**	**9.4900e-003**	**0.0000**	**0.0731**	**0.0731**	**0.0000**	**0.0673**	**0.0673**	**0.0000**	**918.1286**	**918.1286**	**0.2969**		**925.5522**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.2 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2162	2.0498	2.0430	9.5100e-003		0.0664	0.0664		0.0611	0.0611		919.9803	919.9803	0.2975		927.4188
Total	**0.2162**	**2.0498**	**2.0430**	**9.5100e-003**	**0.0000**	**0.0664**	**0.0664**	**0.0000**	**0.0611**	**0.0611**		**919.9803**	**919.9803**	**0.2975**		**927.4188**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2162	2.0498	2.0430	9.5100e-003		0.0664	0.0664		0.0611	0.0611	0.0000	919.9803	919.9803	0.2975		927.4188
Total	**0.2162**	**2.0498**	**2.0430**	**9.5100e-003**	**0.0000**	**0.0664**	**0.0664**	**0.0000**	**0.0611**	**0.0611**	**0.0000**	**919.9803**	**919.9803**	**0.2975**		**927.4188**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Construction-East Site-Drill Rig

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments High Rise	423.00	Dwelling Unit	0.95	575,100.00	1210

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - see construction assumptions

Construction Phase - see construction assumptions

Off-road Equipment - see construction assumptions

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	2.00	259.00

tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	3/17/2022	1/10/2023
tblConstructionPhase	PhaseStartDate	3/16/2022	3/15/2022
tblLandUse	LandUseSquareFeet	423,000.00	575,100.00
tblLandUse	LotAcreage	6.82	0.95
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	3/15/2022	1/10/2023	6	259	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Bore/Drill Rigs	1	8.00	221	0.50
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Rubber Tired Dozers	0	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	6.00	97	0.37

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2252	2.2778	2.0514	9.4900e-003		0.0731	0.0731		0.0673	0.0673		918.1286	918.1286	0.2969		925.5522
Total	**0.2252**	**2.2778**	**2.0514**	**9.4900e-003**	**0.0000**	**0.0731**	**0.0731**	**0.0000**	**0.0673**	**0.0673**		**918.1286**	**918.1286**	**0.2969**		**925.5522**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2252	2.2778	2.0514	9.4900e-003		0.0731	0.0731		0.0673	0.0673	0.0000	918.1286	918.1286	0.2969		925.5522
Total	**0.2252**	**2.2778**	**2.0514**	**9.4900e-003**	**0.0000**	**0.0731**	**0.0731**	**0.0000**	**0.0673**	**0.0673**	**0.0000**	**918.1286**	**918.1286**	**0.2969**		**925.5522**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.2 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2162	2.0498	2.0430	9.5100e-003		0.0664	0.0664		0.0611	0.0611		919.9803	919.9803	0.2975		927.4188
Total	**0.2162**	**2.0498**	**2.0430**	**9.5100e-003**	**0.0000**	**0.0664**	**0.0664**	**0.0000**	**0.0611**	**0.0611**		**919.9803**	**919.9803**	**0.2975**		**927.4188**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2162	2.0498	2.0430	9.5100e-003		0.0664	0.0664		0.0611	0.0611	0.0000	919.9803	919.9803	0.2975		927.4188
Total	**0.2162**	**2.0498**	**2.0430**	**9.5100e-003**	**0.0000**	**0.0664**	**0.0664**	**0.0000**	**0.0611**	**0.0611**	**0.0000**	**919.9803**	**919.9803**	**0.2975**		**927.4188**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Construction-East-Cranes

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments High Rise	423.00	Dwelling Unit	0.95	575,100.00	1210

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - see construction assumptions

Construction Phase - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Trips and VMT - see construction assumptions

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	100.00	726.00
tblConstructionPhase	NumDays	100.00	40.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	8/4/2022	6/22/2025
tblConstructionPhase	PhaseEndDate	3/14/2022	3/26/2022
tblConstructionPhase	PhaseEndDate	3/15/2022	2/26/2023
tblConstructionPhase	PhaseStartDate	3/18/2022	2/27/2023
tblConstructionPhase	PhaseStartDate	3/1/2022	3/15/2022
tblConstructionPhase	PhaseStartDate	3/15/2022	1/11/2023
tblLandUse	LandUseSquareFeet	423,000.00	575,100.00
tblLandUse	LotAcreage	6.82	0.95
tblOffRoadEquipment	LoadFactor	0.29	0.29
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblTripsAndVMT	VendorTripNumber	45.00	0.00
tblTripsAndVMT	VendorTripNumber	45.00	0.00
tblTripsAndVMT	WorkerTripNumber	3.00	0.00
tblTripsAndVMT	WorkerTripNumber	305.00	0.00
tblTripsAndVMT	WorkerTripNumber	305.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.3705	4.1569	1.8799	5.7300e-003	0.0000	0.1726	0.1726	0.0000	0.1588	0.1588	0.0000	555.1691	555.1691	0.1796	0.0000	559.6579
2023	0.7028	7.6310	3.6688	0.0115	0.0000	0.3187	0.3187	0.0000	0.2932	0.2932	0.0000	1,117.6385	1,117.6385	0.3615	0.0000	1,126.6752
2024	0.6635	7.0086	3.5494	0.0115	0.0000	0.2916	0.2916	0.0000	0.2683	0.2683	0.0000	1,117.6147	1,117.6147	0.3615	0.0000	1,126.6512
2025	0.6256	6.3359	3.4729	0.0115	0.0000	0.2693	0.2693	0.0000	0.2478	0.2478	0.0000	1,117.6525	1,117.6525	0.3615	0.0000	1,126.6893
Maximum	**0.7028**	**7.6310**	**3.6688**	**0.0115**	**0.0000**	**0.3187**	**0.3187**	**0.0000**	**0.2932**	**0.2932**	**0.0000**	**1,117.6525**	**1,117.6525**	**0.3615**	**0.0000**	**1,126.6893**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.3705	4.1569	1.8799	5.7300e-003	0.0000	0.1726	0.1726	0.0000	0.1588	0.1588	0.0000	555.1691	555.1691	0.1796	0.0000	559.6579
2023	0.7028	7.6310	3.6688	0.0115	0.0000	0.3187	0.3187	0.0000	0.2932	0.2932	0.0000	1,117.6385	1,117.6385	0.3615	0.0000	1,126.6752
2024	0.6635	7.0086	3.5494	0.0115	0.0000	0.2916	0.2916	0.0000	0.2683	0.2683	0.0000	1,117.6147	1,117.6147	0.3615	0.0000	1,126.6512
2025	0.6256	6.3359	3.4729	0.0115	0.0000	0.2693	0.2693	0.0000	0.2478	0.2478	0.0000	1,117.6525	1,117.6525	0.3615	0.0000	1,126.6893
Maximum	**0.7028**	**7.6310**	**3.6688**	**0.0115**	**0.0000**	**0.3187**	**0.3187**	**0.0000**	**0.2932**	**0.2932**	**0.0000**	**1,117.6525**	**1,117.6525**	**0.3615**	**0.0000**	**1,126.6893**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Utilities/Trenching	Trenching	3/15/2022	3/26/2022	6	11	
2	Foundations/Concrete Pour	Building Construction	1/11/2023	2/26/2023	6	40	
3	Building Construction	Building Construction	2/27/2023	6/22/2025	6	726	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Foundations/Concrete Pour	Cranes	1	8.00	231	0.29
Foundations/Concrete Pour	Forklifts	0	6.00	89	0.20
Utilities/Trenching	Concrete/Industrial Saws	0	8.00	81	0.73
Utilities/Trenching	Cranes	1	8.00	231	0.29
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Foundations/Concrete Pour	Graders	0	8.00	187	0.41
Utilities/Trenching	Rubber Tired Dozers	0	1.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Utilities/Trenching	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Foundations/Concrete Pour	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Utilities/Trenching	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Foundations/Concrete Pour	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	2	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Utilities/Trenching - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3705	4.1569	1.8799	5.7300e-003		0.1726	0.1726		0.1588	0.1588		555.1691	555.1691	0.1796		559.6579
Total	**0.3705**	**4.1569**	**1.8799**	**5.7300e-003**		**0.1726**	**0.1726**		**0.1588**	**0.1588**		**555.1691**	**555.1691**	**0.1796**		**559.6579**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3705	4.1569	1.8799	5.7300e-003		0.1726	0.1726		0.1588	0.1588	0.0000	555.1691	555.1691	0.1796		559.6579
Total	**0.3705**	**4.1569**	**1.8799**	**5.7300e-003**		**0.1726**	**0.1726**		**0.1588**	**0.1588**	**0.0000**	**555.1691**	**555.1691**	**0.1796**		**559.6579**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.3 Foundations/Concrete Pour - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3514	3.8155	1.8344	5.7700e-003		0.1593	0.1593		0.1466	0.1466		558.8192	558.8192	0.1807		563.3376
Total	**0.3514**	**3.8155**	**1.8344**	**5.7700e-003**		**0.1593**	**0.1593**		**0.1466**	**0.1466**		**558.8192**	**558.8192**	**0.1807**		**563.3376**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3514	3.8155	1.8344	5.7700e-003		0.1593	0.1593		0.1466	0.1466	0.0000	558.8192	558.8192	0.1807		563.3376
Total	**0.3514**	**3.8155**	**1.8344**	**5.7700e-003**		**0.1593**	**0.1593**		**0.1466**	**0.1466**	**0.0000**	**558.8192**	**558.8192**	**0.1807**		**563.3376**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7028	7.6310	3.6688	0.0115		0.3187	0.3187		0.2932	0.2932		1,117.6385	1,117.6385	0.3615		1,126.6752
Total	**0.7028**	**7.6310**	**3.6688**	**0.0115**		**0.3187**	**0.3187**		**0.2932**	**0.2932**		**1,117.6385**	**1,117.6385**	**0.3615**		**1,126.6752**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7028	7.6310	3.6688	0.0115		0.3187	0.3187		0.2932	0.2932	0.0000	1,117.6385	1,117.6385	0.3615		1,126.6752
Total	**0.7028**	**7.6310**	**3.6688**	**0.0115**		**0.3187**	**0.3187**		**0.2932**	**0.2932**	**0.0000**	**1,117.6385**	**1,117.6385**	**0.3615**		**1,126.6752**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6635	7.0086	3.5494	0.0115		0.2916	0.2916		0.2683	0.2683		1,117.6147	1,117.6147	0.3615		1,126.6512
Total	**0.6635**	**7.0086**	**3.5494**	**0.0115**		**0.2916**	**0.2916**		**0.2683**	**0.2683**		**1,117.6147**	**1,117.6147**	**0.3615**		**1,126.6512**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6635	7.0086	3.5494	0.0115		0.2916	0.2916		0.2683	0.2683	0.0000	1,117.6147	1,117.6147	0.3615		1,126.6512
Total	**0.6635**	**7.0086**	**3.5494**	**0.0115**		**0.2916**	**0.2916**		**0.2683**	**0.2683**	**0.0000**	**1,117.6147**	**1,117.6147**	**0.3615**		**1,126.6512**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6256	6.3359	3.4729	0.0115		0.2693	0.2693		0.2478	0.2478		1,117.6525	1,117.6525	0.3615		1,126.6893
Total	**0.6256**	**6.3359**	**3.4729**	**0.0115**		**0.2693**	**0.2693**		**0.2478**	**0.2478**		**1,117.6525**	**1,117.6525**	**0.3615**		**1,126.6893**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6256	6.3359	3.4729	0.0115		0.2693	0.2693		0.2478	0.2478	0.0000	1,117.6525	1,117.6525	0.3615		1,126.6893
Total	**0.6256**	**6.3359**	**3.4729**	**0.0115**		**0.2693**	**0.2693**		**0.2478**	**0.2478**	**0.0000**	**1,117.6525**	**1,117.6525**	**0.3615**		**1,126.6893**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Construction-East-Cranes

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments High Rise	423.00	Dwelling Unit	0.95	575,100.00	1210

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - see construction assumptions

Construction Phase - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Trips and VMT - see construction assumptions

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	100.00	726.00
tblConstructionPhase	NumDays	100.00	40.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	8/4/2022	6/22/2025
tblConstructionPhase	PhaseEndDate	3/14/2022	3/26/2022
tblConstructionPhase	PhaseEndDate	3/15/2022	2/26/2023
tblConstructionPhase	PhaseStartDate	3/18/2022	2/27/2023
tblConstructionPhase	PhaseStartDate	3/1/2022	3/15/2022
tblConstructionPhase	PhaseStartDate	3/15/2022	1/11/2023
tblLandUse	LandUseSquareFeet	423,000.00	575,100.00
tblLandUse	LotAcreage	6.82	0.95
tblOffRoadEquipment	LoadFactor	0.29	0.29
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblTripsAndVMT	VendorTripNumber	45.00	0.00
tblTripsAndVMT	VendorTripNumber	45.00	0.00
tblTripsAndVMT	WorkerTripNumber	3.00	0.00
tblTripsAndVMT	WorkerTripNumber	305.00	0.00
tblTripsAndVMT	WorkerTripNumber	305.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.3705	4.1569	1.8799	5.7300e-003	0.0000	0.1726	0.1726	0.0000	0.1588	0.1588	0.0000	555.1691	555.1691	0.1796	0.0000	559.6579
2023	0.7028	7.6310	3.6688	0.0115	0.0000	0.3187	0.3187	0.0000	0.2932	0.2932	0.0000	1,117.6385	1,117.6385	0.3615	0.0000	1,126.6752
2024	0.6635	7.0086	3.5494	0.0115	0.0000	0.2916	0.2916	0.0000	0.2683	0.2683	0.0000	1,117.6147	1,117.6147	0.3615	0.0000	1,126.6512
2025	0.6256	6.3359	3.4729	0.0115	0.0000	0.2693	0.2693	0.0000	0.2478	0.2478	0.0000	1,117.6525	1,117.6525	0.3615	0.0000	1,126.6893
Maximum	**0.7028**	**7.6310**	**3.6688**	**0.0115**	**0.0000**	**0.3187**	**0.3187**	**0.0000**	**0.2932**	**0.2932**	**0.0000**	**1,117.6525**	**1,117.6525**	**0.3615**	**0.0000**	**1,126.6893**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.3705	4.1569	1.8799	5.7300e-003	0.0000	0.1726	0.1726	0.0000	0.1588	0.1588	0.0000	555.1691	555.1691	0.1796	0.0000	559.6579
2023	0.7028	7.6310	3.6688	0.0115	0.0000	0.3187	0.3187	0.0000	0.2932	0.2932	0.0000	1,117.6385	1,117.6385	0.3615	0.0000	1,126.6752
2024	0.6635	7.0086	3.5494	0.0115	0.0000	0.2916	0.2916	0.0000	0.2683	0.2683	0.0000	1,117.6147	1,117.6147	0.3615	0.0000	1,126.6512
2025	0.6256	6.3359	3.4729	0.0115	0.0000	0.2693	0.2693	0.0000	0.2478	0.2478	0.0000	1,117.6525	1,117.6525	0.3615	0.0000	1,126.6893
Maximum	**0.7028**	**7.6310**	**3.6688**	**0.0115**	**0.0000**	**0.3187**	**0.3187**	**0.0000**	**0.2932**	**0.2932**	**0.0000**	**1,117.6525**	**1,117.6525**	**0.3615**	**0.0000**	**1,126.6893**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Utilities/Trenching	Trenching	3/15/2022	3/26/2022	6	11	
2	Foundations/Concrete Pour	Building Construction	1/11/2023	2/26/2023	6	40	
3	Building Construction	Building Construction	2/27/2023	6/22/2025	6	726	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Foundations/Concrete Pour	Cranes	1	8.00	231	0.29
Foundations/Concrete Pour	Forklifts	0	6.00	89	0.20
Utilities/Trenching	Concrete/Industrial Saws	0	8.00	81	0.73
Utilities/Trenching	Cranes	1	8.00	231	0.29
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Foundations/Concrete Pour	Graders	0	8.00	187	0.41
Utilities/Trenching	Rubber Tired Dozers	0	1.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Utilities/Trenching	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Foundations/Concrete Pour	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Utilities/Trenching	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Foundations/Concrete Pour	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	2	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Utilities/Trenching - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3705	4.1569	1.8799	5.7300e-003		0.1726	0.1726		0.1588	0.1588		555.1691	555.1691	0.1796		559.6579
Total	**0.3705**	**4.1569**	**1.8799**	**5.7300e-003**		**0.1726**	**0.1726**		**0.1588**	**0.1588**		**555.1691**	**555.1691**	**0.1796**		**559.6579**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3705	4.1569	1.8799	5.7300e-003		0.1726	0.1726		0.1588	0.1588	0.0000	555.1691	555.1691	0.1796		559.6579
Total	**0.3705**	**4.1569**	**1.8799**	**5.7300e-003**		**0.1726**	**0.1726**		**0.1588**	**0.1588**	**0.0000**	**555.1691**	**555.1691**	**0.1796**		**559.6579**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.3 Foundations/Concrete Pour - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3514	3.8155	1.8344	5.7700e-003		0.1593	0.1593		0.1466	0.1466		558.8192	558.8192	0.1807		563.3376
Total	**0.3514**	**3.8155**	**1.8344**	**5.7700e-003**		**0.1593**	**0.1593**		**0.1466**	**0.1466**		**558.8192**	**558.8192**	**0.1807**		**563.3376**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3514	3.8155	1.8344	5.7700e-003		0.1593	0.1593		0.1466	0.1466	0.0000	558.8192	558.8192	0.1807		563.3376
Total	**0.3514**	**3.8155**	**1.8344**	**5.7700e-003**		**0.1593**	**0.1593**		**0.1466**	**0.1466**	**0.0000**	**558.8192**	**558.8192**	**0.1807**		**563.3376**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7028	7.6310	3.6688	0.0115		0.3187	0.3187		0.2932	0.2932		1,117.6385	1,117.6385	0.3615		1,126.6752
Total	**0.7028**	**7.6310**	**3.6688**	**0.0115**		**0.3187**	**0.3187**		**0.2932**	**0.2932**		**1,117.6385**	**1,117.6385**	**0.3615**		**1,126.6752**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7028	7.6310	3.6688	0.0115		0.3187	0.3187		0.2932	0.2932	0.0000	1,117.6385	1,117.6385	0.3615		1,126.6752
Total	**0.7028**	**7.6310**	**3.6688**	**0.0115**		**0.3187**	**0.3187**		**0.2932**	**0.2932**	**0.0000**	**1,117.6385**	**1,117.6385**	**0.3615**		**1,126.6752**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6635	7.0086	3.5494	0.0115		0.2916	0.2916		0.2683	0.2683		1,117.6147	1,117.6147	0.3615		1,126.6512
Total	**0.6635**	**7.0086**	**3.5494**	**0.0115**		**0.2916**	**0.2916**		**0.2683**	**0.2683**		**1,117.6147**	**1,117.6147**	**0.3615**		**1,126.6512**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6635	7.0086	3.5494	0.0115		0.2916	0.2916		0.2683	0.2683	0.0000	1,117.6147	1,117.6147	0.3615		1,126.6512
Total	**0.6635**	**7.0086**	**3.5494**	**0.0115**		**0.2916**	**0.2916**		**0.2683**	**0.2683**	**0.0000**	**1,117.6147**	**1,117.6147**	**0.3615**		**1,126.6512**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6256	6.3359	3.4729	0.0115		0.2693	0.2693		0.2478	0.2478		1,117.6525	1,117.6525	0.3615		1,126.6893
Total	**0.6256**	**6.3359**	**3.4729**	**0.0115**		**0.2693**	**0.2693**		**0.2478**	**0.2478**		**1,117.6525**	**1,117.6525**	**0.3615**		**1,126.6893**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6256	6.3359	3.4729	0.0115		0.2693	0.2693		0.2478	0.2478	0.0000	1,117.6525	1,117.6525	0.3615		1,126.6893
Total	**0.6256**	**6.3359**	**3.4729**	**0.0115**		**0.2693**	**0.2693**		**0.2478**	**0.2478**	**0.0000**	**1,117.6525**	**1,117.6525**	**0.3615**		**1,126.6893**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Hollywood Center
On-Road Soil/Material Haul Truck Regional Emissions

Truck Total Emissions

Construction Phase	Source	Year	Daily One-Way Truck Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day) ROG	NOX	CO	SO2	PM10 Dust	PM10 Exh	Total PM10	PM2.5 Dust	PM2.5 Exh	Total PM2.5
West Site																
Demolition	T7 - Single Construction	2021	66	2	8	30	0.7998	21.5708	3.6785	0.0641	1.7355	0.3846	2.1201	0.4761	0.3680	0.8440
Grading/Excavation	T7 - Single Construction	2021/2022	192	209	8	30	2.3267	62.7514	10.7012	0.1866	5.0488	1.1188	6.1677	1.3849	1.0704	2.4553
Foundations/Concrete Pour (Revised) [MI	T7 - Single Construction	2022														
Shoring Wall	T7 - Single Construction	2022	20	19	8	7.5	0.0453	1.3577	0.3946	0.0050	0.1315	0.0105	0.1420	0.0361	0.0101	0.0461
Cast in Drilled Hole Foundation	T7 - Single Construction	2022	4	41	8	7.5	0.0091	0.2715	0.0789	0.0010	0.0263	0.0021	0.0284	0.0072	0.0020	0.0092
Mat Foundation (Continuous Pour)	T7 - Single Construction	2022	188	1	14	7.5	0.4256	12.7622	3.7089	0.0473	1.2359	0.0988	1.3347	0.3390	0.0945	0.4335
Column Footings	T7 - Single Construction	2022	42	4	8	7.5	0.0951	2.8511	0.8286	0.0106	0.2761	0.0221	0.2982	0.0757	0.0211	0.0968
Building Construction (Revised) [Starting	T7 - Single Construction	2022														
Structure Equipment Garage	T7 - Single Construction	2022	84	52	8	7.5	0.1901	5.7023	1.6572	0.0211	0.5522	0.0441	0.5963	0.1515	0.0422	0.1937
Structure Equipment Tower	T7 - Single Construction	2022	42	42	8	7.5	0.0951	2.8511	0.8286	0.0106	0.2761	0.0221	0.2982	0.0757	0.0211	0.0968
Structure Equipment Affordable	T7 - Single Construction	2022	48	22	8	7.5	0.1087	3.2584	0.9470	0.0121	0.3156	0.0252	0.3408	0.0866	0.0241	0.1107
Retail	T7 - Single Construction	2022	28	2	8	7.5	0.0634	1.9008	0.5524	0.0070	0.1841	0.0147	0.1988	0.0505	0.0141	0.0646
East Site																
Site Preparation	T7 - Single Construction	2022	52	2	8	30	0.3074	11.9106	1.8721	0.0484	1.3674	0.1079	1.4753	0.3751	0.1032	0.4783
Grading/Excavation	T7 - Single Construction	2022/2023	192	194	8	30	1.1350	43.9776	6.9124	0.1786	5.0488	0.3984	5.4473	1.3849	0.3812	1.7661
Foundations/Concrete Pour (Revised) [MI	T7 - Single Construction	2023														
Shoring Wall	T7 - Single Construction	2023	20	16	8	7.5	0.0275	0.9805	0.3659	0.0048	0.1315	0.0050	0.1365	0.0361	0.0048	0.0409
Cast in Drilled Hole Foundation	T7 - Single Construction	2023	4	30	8	7.5	0.0055	0.1961	0.0732	0.0010	0.0263	0.0010	0.0273	0.0072	0.0010	0.0082
Mat Foundation (Continuous Pour)	T7 - Single Construction	2023	142	1	11	7.5	0.1953	6.9613	2.5978	0.0341	0.9335	0.0356	0.9691	0.2561	0.0340	0.2901
Column Footings	T7 - Single Construction	2023	42	4	8	7.5	0.0578	2.0590	0.7684	0.0101	0.2761	0.0105	0.2866	0.0757	0.0101	0.0858
Building Construction (Revised) [Starting	T7 - Single Construction	2023														
Structure Equipment Garage	T7 - Single Construction	2023	88	58	8	7.5	0.1210	4.3141	1.6099	0.0211	0.5785	0.0220	0.6005	0.1587	0.0211	0.1798
Structure Equipment Tower	T7 - Single Construction	2023	40	82	8	7.5	0.0550	1.9609	0.7318	0.0096	0.2630	0.0100	0.2730	0.0721	0.0096	0.0817
Structure Equipment Affordable	T7 - Single Construction	2023	36	18	8	7.5	0.0495	1.7648	0.6586	0.0086	0.2367	0.0090	0.2457	0.0649	0.0086	0.0735
Retail	T7 - Single Construction	2023	60	3	8	7.5	0.0825	2.9414	1.0977	0.0144	0.3944	0.0150	0.4095	0.1082	0.0144	0.1226

Source: Based on AECOM Tishman, 2018; Millennium Partners, 2018; ESA, 2020

Hollywood Center
On-Road Soil/Material Haul Truck Regional Emissions

On-Road Truck Regional Running Emissions

Construction Phase	Source	Year	Daily One-Way Truck Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Running Emissions Factor (grams/mile)						Regional Emissions (pounds/day)					
							ROG	NOX	CO	SO2	PM10	PM2.5	ROG	NOX	CO	SO2	PM10	PM2.5
West Site																		
Demolition	T7 - Single Construction	2021	66	2	8	30	0.1674	4.7149	0.6423	0.0143	0.0878	0.0840	0.731	20.581	2.804	0.063	0.383	0.367
Grading/Excavation	T7 - Single Construction	2021	192	209	8	30	0.1674	4.7149	0.6423	0.0143	0.0878	0.0840	2.126	59.872	8.156	0.182	1.115	1.066
Foundations/Concrete Pour (Revised) [MH	T7 - Single Construction	2022																
Shoring Wall	T7 - Single Construction	2022	20	19	8	7.5	0.0735	3.2491	0.3281	0.0137	0.0312	0.0299	0.024	1.074	0.108	0.005	0.010	0.010
Cast in Drilled Hole Foundation	T7 - Single Construction	2022	4	41	8	7.5	0.0735	3.2491	0.3281	0.0137	0.0312	0.0299	0.005	0.215	0.022	0.001	0.002	0.002
Mat Foundation (Continuous Pour)	T7 - Single Construction	2022	188	1	14	7.5	0.0735	3.2491	0.3281	0.0137	0.0312	0.0299	0.229	10.100	1.020	0.043	0.097	0.093
Column Footings	T7 - Single Construction	2022	42	4	8	7.5	0.0735	3.2491	0.3281	0.0137	0.0312	0.0299	0.051	2.256	0.228	0.010	0.022	0.021
Building Construction (Revised) [Starting w	T7 - Single Construction	2022																
Structure Equipment Garage	T7 - Single Construction	2022	84	52	8	7.5	0.0735	3.2491	0.3281	0.0137	0.0312	0.0299	0.102	4.513	0.456	0.019	0.043	0.042
Structure Equipment Tower	T7 - Single Construction	2022	42	42	8	7.5	0.0735	3.2491	0.3281	0.0137	0.0312	0.0299	0.051	2.256	0.228	0.010	0.022	0.021
Structure Equipment Affordable	T7 - Single Construction	2022	48	22	8	7.5	0.0735	3.2491	0.3281	0.0137	0.0312	0.0299	0.058	2.579	0.260	0.011	0.025	0.024
Retail	T7 - Single Construction	2022	28	2	8	7.5	0.0735	3.2491	0.3281	0.0137	0.0312	0.0299	0.034	1.504	0.152	0.006	0.014	0.014
East Site																		
Site Preparation	T7 - Single Construction	2022	52	2	8	30	0.0735	3.2491	0.3281	0.0137	0.0312	0.0299	0.253	11.174	1.128	0.047	0.107	0.103
Grading/Excavation	T7 - Single Construction	2022	192	194	8	30	0.0735	3.2491	0.3281	0.0137	0.0312	0.0299	0.934	41.259	4.166	0.174	0.397	0.380
Foundations/Concrete Pour (Revised) [MH	T7 - Single Construction	2023																
Shoring Wall	T7 - Single Construction	2023	20	16	8	7.5	0.0201	2.2051	0.1781	0.0130	0.0148	0.0142	0.007	0.729	0.059	0.004	0.005	0.005
Cast in Drilled Hole Foundation	T7 - Single Construction	2023	4	30	8	7.5	0.0201	2.2051	0.1781	0.0130	0.0148	0.0142	0.001	0.146	0.012	0.001	0.001	0.001
Mat Foundation (Continuous Pour)	T7 - Single Construction	2023	142	1	11	7.5	0.0201	2.2051	0.1781	0.0130	0.0148	0.0142	0.047	5.177	0.418	0.031	0.035	0.033
Column Footings	T7 - Single Construction	2023	42	4	8	7.5	0.0201	2.2051	0.1781	0.0130	0.0148	0.0142	0.014	1.531	0.124	0.009	0.010	0.010
Building Construction (Revised) [Starting w	T7 - Single Construction	2023																
Structure Equipment Garage	T7 - Single Construction	2023	88	58	8	7.5	0.0201	2.2051	0.1781	0.0130	0.0148	0.0142	0.029	3.209	0.259	0.019	0.022	0.021
Structure Equipment Tower	T7 - Single Construction	2023	40	82	8	7.5	0.0201	2.2051	0.1781	0.0130	0.0148	0.0142	0.013	1.458	0.118	0.009	0.010	0.009
Structure Equipment Affordable	T7 - Single Construction	2023	36	18	8	7.5	0.0201	2.2051	0.1781	0.0130	0.0148	0.0142	0.012	1.313	0.106	0.008	0.009	0.008
Retail	T7 - Single Construction	2023	60	3	8	7.5	0.0201	2.2051	0.1781	0.0130	0.0148	0.0142	0.020	2.188	0.177	0.013	0.015	0.014

Source: Based on AECOM Tishman, 2018; Millennium Partners, 2018; ESA, 2020

Hollywood Center
On-Road Soil/Material Haul Truck Regional Emissions

On-Road Truck Fugitive Dust Emissions

Construction Phase	Source	Year	Daily One-Way Truck Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Running Emissions Factor (grams/mile) PM10 RD	PM10 BW	PM10 TW	PM2.5 RD	PM2.5 BW	PM2.5 TW	Regional Emissions (pounds/day) PM10 RD	PM10 BW	PM10 TW	PM2.5 RD	PM2.5 BW	PM2.5 TW
West Site																		
Demolition	T7 - Single Construction	2021	66	2	8	30	0.2998	0.0617	0.0360	0.0736	0.0265	0.0090	1.309	0.270	0.157	0.321	0.116	0.039
Grading/Excavation	T7 - Single Construction	2021	192	209	8	30	0.2998	0.0617	0.0360	0.0736	0.0265	0.0090	3.808	0.784	0.457	0.935	0.336	0.114
Foundations/Concrete Pour (Revised) [MH	T7 - Single Construction	2022																
Shoring Wall	T7 - Single Construction	2022	20	19	8	7.5	0.2998	0.0617	0.0360	0.0736	0.0265	0.0090	0.099	0.020	0.012	0.024	0.009	0.003
Cast in Drilled Hole Foundation	T7 - Single Construction	2022	4	41	8	7.5	0.2998	0.0617	0.0360	0.0736	0.0265	0.0090	0.020	0.004	0.002	0.005	0.002	0.001
Mat Foundation (Continuous Pour)	T7 - Single Construction	2022	188	1	14	7.5	0.2998	0.0617	0.0360	0.0736	0.0265	0.0090	0.932	0.192	0.112	0.229	0.082	0.028
Column Footings	T7 - Single Construction	2022	42	4	8	7.5	0.2998	0.0617	0.0360	0.0736	0.0265	0.0090	0.208	0.043	0.025	0.051	0.018	0.006
Building Construction (Revised) [Starting w	T7 - Single Construction	2022																
Structure Equipment Garage	T7 - Single Construction	2022	84	52	8	7.5	0.2998	0.0617	0.0360	0.0736	0.0265	0.0090	0.416	0.086	0.050	0.102	0.037	0.013
Structure Equipment Tower	T7 - Single Construction	2022	42	42	8	7.5	0.2998	0.0617	0.0360	0.0736	0.0265	0.0090	0.208	0.043	0.025	0.051	0.018	0.006
Structure Equipment Affordable	T7 - Single Construction	2022	48	22	8	7.5	0.2998	0.0617	0.0360	0.0736	0.0265	0.0090	0.238	0.049	0.029	0.058	0.021	0.007
Retail	T7 - Single Construction	2022	28	2	8	7.5	0.2998	0.0617	0.0360	0.0736	0.0265	0.0090	0.139	0.029	0.017	0.034	0.012	0.004
East Site																		
Site Preparation	T7 - Single Construction	2022	52	2	8	30	0.2998	0.0617	0.0360	0.0736	0.0265	0.0090	1.031	0.212	0.124	0.253	0.091	0.031
Grading/Excavation	T7 - Single Construction	2022	192	194	8	30	0.2998	0.0617	0.0360	0.0736	0.0265	0.0090	3.808	0.784	0.457	0.935	0.336	0.114
Foundations/Concrete Pour (Revised) [MH	T7 - Single Construction	2023																
Shoring Wall	T7 - Single Construction	2023	20	16	8	7.5	0.2998	0.0617	0.0360	0.0736	0.0265	0.0090	0.099	0.020	0.012	0.024	0.009	0.003
Cast in Drilled Hole Foundation	T7 - Single Construction	2023	4	30	8	7.5	0.2998	0.0617	0.0360	0.0736	0.0265	0.0090	0.020	0.004	0.002	0.005	0.002	0.001
Mat Foundation (Continuous Pour)	T7 - Single Construction	2023	142	1	11	7.5	0.2998	0.0617	0.0360	0.0736	0.0265	0.0090	0.704	0.145	0.085	0.173	0.062	0.021
Column Footings	T7 - Single Construction	2023	42	4	8	7.5	0.2998	0.0617	0.0360	0.0736	0.0265	0.0090	0.208	0.043	0.025	0.051	0.018	0.006
Building Construction (Revised) [Starting w	T7 - Single Construction	2023																
Structure Equipment Garage	T7 - Single Construction	2023	88	58	8	7.5	0.2998	0.0617	0.0360	0.0736	0.0265	0.0090	0.436	0.090	0.052	0.107	0.039	0.013
Structure Equipment Tower	T7 - Single Construction	2023	40	82	8	7.5	0.2998	0.0617	0.0360	0.0736	0.0265	0.0090	0.198	0.041	0.024	0.049	0.018	0.006
Structure Equipment Affordable	T7 - Single Construction	2023	36	18	8	7.5	0.2998	0.0617	0.0360	0.0736	0.0265	0.0090	0.178	0.037	0.021	0.044	0.016	0.005
Retail	T7 - Single Construction	2023	60	3	8	7.5	0.2998	0.0617	0.0360	0.0736	0.0265	0.0090	0.297	0.061	0.036	0.073	0.026	0.009

Source: Based on AECOM Tishman, 2018; Millennium Partners, 2018; ESA, 2020

Hollywood Center
On-Road Soil/Material Haul Truck Regional Emissions

On-Road Truck Idling Emissions

Construction Phase	Source	Year	Daily One-Way Truck Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	Idling Time per Truck (minutes)	Idling Emissions Factor (grams/min)						Regional Emissions (pounds/day)					
							ROG	NOX	CO	SO2	PM10	PM2.5	ROG	NOX	CO	SO2	PM10	PM2.5
West Site																		
Demolition	T7 - Single Construction	2021	66	2	8	15	0.0631	0.9069	0.8017	0.0015	0.0013	0.0012	0.0689	0.9897	0.8749	0.0016	0.0014	0.0014
Grading/Excavation	T7 - Single Construction	2021	192	209	8	15	0.0631	0.9069	0.8017	0.0015	0.0013	0.0012	0.2004	2.8791	2.5451	0.0047	0.0041	0.0039
Foundations/Concrete Pour (Revised) [MH	T7 - Single Construction	2022																
Shoring Wall	T7 - Single Construction	2022	20	19	8	15	0.0634	0.8565	0.8651	0.0015	0.0005	0.0005	0.0210	0.2832	0.2861	0.0005	0.0002	0.0002
Cast in Drilled Hole Foundation	T7 - Single Construction	2022	4	41	8	15	0.0634	0.8565	0.8651	0.0015	0.0005	0.0005	0.0042	0.0566	0.0572	0.0001	0.0000	0.0000
Mat Foundation (Continuous Pour)	T7 - Single Construction	2022	188	1	14	15	0.0634	0.8565	0.8651	0.0015	0.0005	0.0005	0.1970	2.6624	2.6891	0.0048	0.0016	0.0016
Column Footings	T7 - Single Construction	2022	42	4	8	15	0.0634	0.8565	0.8651	0.0015	0.0005	0.0005	0.0440	0.5948	0.6008	0.0011	0.0004	0.0004
Building Construction (Revised) [Starting w	T7 - Single Construction	2022																
Structure Equipment Garage	T7 - Single Construction	2022	84	52	8	15	0.0634	0.8565	0.8651	0.0015	0.0005	0.0005	0.0880	1.1896	1.2015	0.0021	0.0007	0.0007
Structure Equipment Tower	T7 - Single Construction	2022	42	42	8	15	0.0634	0.8565	0.8651	0.0015	0.0005	0.0005	0.0440	0.5948	0.6008	0.0011	0.0004	0.0004
Structure Equipment Affordable	T7 - Single Construction	2022	48	22	8	15	0.0634	0.8565	0.8651	0.0015	0.0005	0.0005	0.0503	0.6798	0.6866	0.0012	0.0004	0.0004
Retail	T7 - Single Construction	2022	28	2	8	15	0.0634	0.8565	0.8651	0.0015	0.0005	0.0005	0.0293	0.3965	0.4005	0.0007	0.0002	0.0002
East Site																		
Site Preparation	T7 - Single Construction	2022	52	2	8	15	0.0634	0.8565	0.8651	0.0015	0.0005	0.0005	0.0545	0.7364	0.7438	0.0013	0.0005	0.0004
Grading/Excavation	T7 - Single Construction	2022	192	194	8	15	0.0634	0.8565	0.8651	0.0015	0.0005	0.0005	0.2012	2.7191	2.7463	0.0049	0.0017	0.0016
Foundations/Concrete Pour (Revised) [MH	T7 - Single Construction	2023																
Shoring Wall	T7 - Single Construction	2023	20	16	8	15	0.0631	0.7598	0.9283	0.0015	0.0003	0.0003	0.0209	0.2513	0.3070	0.0005	0.0001	0.0001
Cast in Drilled Hole Foundation	T7 - Single Construction	2023	4	30	8	15	0.0631	0.7598	0.9283	0.0015	0.0003	0.0003	0.0042	0.0503	0.0614	0.0001	0.0000	0.0000
Mat Foundation (Continuous Pour)	T7 - Single Construction	2023	142	1	11	15	0.0631	0.7598	0.9283	0.0015	0.0003	0.0003	0.1480	1.7839	2.1796	0.0035	0.0007	0.0007
Column Footings	T7 - Single Construction	2023	42	4	8	15	0.0631	0.7598	0.9283	0.0015	0.0003	0.0003	0.0438	0.5276	0.6447	0.0010	0.0002	0.0002
Building Construction (Revised) [Starting w	T7 - Single Construction	2023																
Structure Equipment Garage	T7 - Single Construction	2023	88	58	8	15	0.0631	0.7598	0.9283	0.0015	0.0003	0.0003	0.0917	1.1055	1.3507	0.0022	0.0005	0.0004
Structure Equipment Tower	T7 - Single Construction	2023	40	82	8	15	0.0631	0.7598	0.9283	0.0015	0.0003	0.0003	0.0417	0.5025	0.6140	0.0010	0.0002	0.0002
Structure Equipment Affordable	T7 - Single Construction	2023	36	18	8	15	0.0631	0.7598	0.9283	0.0015	0.0003	0.0003	0.0375	0.4523	0.5526	0.0009	0.0002	0.0002
Retail	T7 - Single Construction	2023	60	3	8	15	0.0631	0.7598	0.9283	0.0015	0.0003	0.0003	0.0626	0.7538	0.9209	0.0015	0.0003	0.0003

Source: Based on AECOM Tishman, 2018; Millennium Partners, 2018; ESA, 2020

Hollywood Center
On-Road Truck Emission Factors (Aggregate Model Year, Aggregate Speeds)

EMFAC2017 (v1.0.7) Emission Rates
Region Type: Sub-Area
Region: Los Angeles (SC)
Calendar Years: 2020, 2021, 2022, 2023,2024,2025
Season: Annual
Vehicle Classification: EMFAC2011 Categories
Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/hour for IDLEX, RESTL and DIURN

						CRITERIA AIR POLLUTANTS (g/mi or g/min)															
Region	**CalYr**	**VehClass**	**MdlYr**	**Speed**	**Fuel**	**ROG_RUNEX**	**ROG_IDLEX**	**NOx_RUNEX**	**NOx_IDLEX**	**CO_RUNEX**	**CO_IDLEX**	**SO2_RUNEX**	**SO2_IDLEX**	**PM10_BW**	**PM10_TW**	**PM10_RUNEX**	**PM10_IDLEX**	**PM2.5_BW**	**PM2.5_TW**	**PM2.5_RUNEX**	**PM2.5_IDLEX**
Los Angeles County (SC)	2021	T7 single construction	Aggregated	Aggregated	Diesel	0.1674	0.0631	4.7149	0.9069	0.6423	0.8017	0.0143	0.0015	0.0617	0.0360	0.0878	0.0013	0.0265	0.0090	0.0840	0.0012
Los Angeles County (SC)	2022	T7 single construction	Aggregated	Aggregated	Diesel	0.0735	0.0634	3.2491	0.8565	0.3281	0.8651	0.0137	0.0015	0.0617	0.0360	0.0312	0.0005	0.0265	0.0090	0.0299	0.0005
Los Angeles County (SC)	2023	T7 single construction	Aggregated	Aggregated	Diesel	0.0201	0.0631	2.2051	0.7598	0.1781	0.9283	0.0130	0.0015	0.0617	0.0360	0.0148	0.0003	0.0265	0.0090	0.0142	0.0003
Los Angeles County (SC)	2024	T7 single construction	Aggregated	Aggregated	Diesel	0.0195	0.0631	2.1683	0.7590	0.1783	0.9302	0.0129	0.0015	0.0617	0.0360	0.0145	0.0003	0.0265	0.0090	0.0139	0.0003

Source: California Air Resources Board, EMFAC2017. Accessed October 2019.

Hollywood Center
Road Dust Emission Factors

Paved Road Dust Emission Factors (Assumes No Precipitation)

Formula: $EF_{Dust,P} = (k\ (sL)^{0.91} \times (W)^{1.02})$

Where:

$EF_{Dust,P}$ = Paved Road Dust Emission Factor (having the same units as k)
k = particle size multiplier
sL = road surface silt loading (g/m^2)
W = average fleet vehicle weight (tons) (CARB uses 2.4 tons as a fleet average vehicle weight factor)

	Emission Factor (grams per VMT)	
	PM10	PM2.5
k	0.9979	0.2449
sL	0.1	0.1
W	2.4	2.4
$EF_{Dust,P}$	3.00E-01	7.36E-02

Unpaved Road Dust Emission Factors (Assumes No Precipitation)

Formula: $EF_{Dust,U} = (k\ (\ s / 12)^{1} \times (Sp / 30)^{0.5} / (M / 0.5)^{0.2}) - C)$

Where:

$EF_{Dust,U}$ = Unpaved Road Dust Emission Factor (having the same units as k)
k = particle size multiplier
s = surface material silt content (%)
Sp = mean vehicle speed (mph)
M = surface material moisture content (%)
C = Emission Factor for 1980s vehicle fleet exhaust, brake wear, and tire wear

	Emission Factor (grams per VMT)	
	PM10	PM2.5
k	816.47	81.65
s	4.3%	4.3%
Sp	15	15
M	0.5%	0.5%
C	0.00047	0.00036
$EF_{Dust,U}$	5.20E+00	5.19E-01

Sources:
SCAQMD, CalEEMod, Version 2011.1.
CARB, *Entrained Dust from Paved Road Travel: Emission Estimation Methodology Background Document* , (1997).
USEPA, *AP-42* , Fifth Edition, Volume I, Chapter 13.2.1 - Paved Roads, (2011).
ESA, 2020.

Hollywood Center
On-Road Vendor Truck Regional Emissions

Truck Total Emissions

Construction Phase	Source	Year	Daily One-Way Truck Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day) ROG	NOX	CO	SO2	PM10 Dust	PM10 Exh	Total PM10	PM2.5 Dust	PM2.5 Exh	Total PM2.5
West Site																
Building Construction (Rev	MHDT,HHDT	2022														
	MHDT,HHDT	2022	50	263	8	6.9	0.1308	3.2326	1.2977	0.0106	0.3189	0.0261	0.3450	0.0917	0.0250	0.1167
	MHDT,HHDT	2023	50	312	8	6.9	0.0878	2.5224	1.2642	0.0101	0.3190	0.0104	0.3293	0.0917	0.0099	0.1016
	MHDT,HHDT	2024	50	64	8	6.9	0.0881	2.5308	1.2715	0.0099	0.3190	0.0104	0.3294	0.0917	0.0100	0.1017
East Site																
Building Construction (Rev	MHDT,HHDT	2023														
	MHDT,HHDT	2023	50	264	8	6.9	0.0878	2.5224	1.2642	0.0101	0.3190	0.0104	0.3293	0.0917	0.0099	0.1016
	MHDT,HHDT	2024	50	314	8	6.9	0.0881	2.5308	1.2715	0.0099	0.3190	0.0104	0.3294	0.0917	0.0100	0.1017
	MHDT,HHDT	2025	50	148	8	6.9	0.0883	2.5237	1.2768	0.0098	0.3190	0.0104	0.3294	0.0917	0.0100	0.1017

Source: Based on AECOM Tishman, 2018; Millennium Partners, 2018; ESA, 2020.

Hollywood Center
On-Road Vendor Truck Regional Emissions

Vendor Truck Regional Running Emissions

Construction Phase	Source	Year	Daily One-Way Truck Trips	Work Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Running Emissions Factor (grams/mile) ROG	NOX	CO	SO2	PM10	PM2.5	Regional Emissions (pounds/day) ROG	NOX	CO	SO2	PM10	PM2.5
West Site																		
Building Construction (Revis	MHDT,HHDT	2022																
	MHDT,HHDT	2022	50	263	8	6.9	0.0698	2.7315	0.2988	0.0114	0.0331	0.0317	0.053	2.078	0.227	0.009	0.025	0.024
	MHDT,HHDT	2023	50	312	8	6.9	0.0139	1.9610	0.1464	0.0108	0.0129	0.0123	0.011	1.492	0.111	0.008	0.010	0.009
	MHDT,HHDT	2024	50	64	8	6.9	0.0140	1.9788	0.1492	0.0106	0.0130	0.0124	0.011	1.505	0.113	0.008	0.010	0.009
East Site																		
Building Construction (Revis	MHDT,HHDT	2023																
	MHDT,HHDT	2023	50	264	8	6.9	0.0139	1.9610	0.1464	0.0108	0.0129	0.0123	0.011	1.492	0.111	0.008	0.010	0.009
	MHDT,HHDT	2024	50	314	8	6.9	0.0140	1.9788	0.1492	0.0106	0.0130	0.0124	0.011	1.505	0.113	0.008	0.010	0.009
	MHDT,HHDT	2025	50	148	8	6.9	0.0139	1.9751	0.1501	0.0104	0.0130	0.0125	0.011	1.502	0.114	0.008	0.010	0.009

Source: Based on AECOM Tishman, 2018; Millennium Partners, 2018; ESA, 2020.

Hollywood Center
On-Road Vendor Truck Regional Emissions

Vendor Truck Regional Fugitive Dust Emissions

Construction Phase	Source	Year	Daily One-Way Truck Trips	Work Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Running Emissions Factor (grams/mile)						Regional Emissions (pounds/day)					
							PM10 RD	PM10 BW	PM10 TW	PM2.5 RD	PM2.5 BW	PM2.5 TW	PM10 RD	PM10 BW	PM10 TW	PM2.5 RD	PM2.5 BW	PM2.5 TW
West Site																		
Building Construction (Revis	MHDT,HHDT	2022																
	MHDT,HHDT	2022	50	263	8	6.9	0.2998	0.0957	0.0238	0.0736	0.0410	0.0059	0.228	0.073	0.018	0.056	0.031	0.005
	MHDT,HHDT	2023	50	312	8	6.9	0.2998	0.0957	0.0238	0.0736	0.0410	0.0060	0.228	0.073	0.018	0.056	0.031	0.005
	MHDT,HHDT	2024	50	64	8	6.9	0.2998	0.0957	0.0238	0.0736	0.0410	0.0060	0.228	0.073	0.018	0.056	0.031	0.005
East Site																		
Building Construction (Revis	MHDT,HHDT	2023																
	MHDT,HHDT	2023	50	264	8	6.9	0.2998	0.0957	0.0238	0.0736	0.0410	0.0060	0.228	0.073	0.018	0.056	0.031	0.005
	MHDT,HHDT	2024	50	314	8	6.9	0.2998	0.0957	0.0238	0.0736	0.0410	0.0060	0.228	0.073	0.018	0.056	0.031	0.005
	MHDT,HHDT	2025	50	148	8	6.9	0.2998	0.0957	0.0238	0.0736	0.0410	0.0060	0.228	0.073	0.018	0.056	0.031	0.005

Source: Based on AECOM Tishman, 2018; Millennium Partners, 2018; ESA, 2020.

Hollywood Center
On-Road Vendor Truck Regional Emissions

Vendor Truck Regional Idling Emissions

Construction Phase	Source	Year	Daily One-Way Truck Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	Idling Time per Truck (minutes)	Idling Emissions Factor (grams/min)						Regional Emissions (pounds/day)					
							ROG	NOX	CO	SO2	PM10	PM2.5	ROG	NOX	CO	SO2	PM10	PM2.5
West Site																		
Building Construction (Revis	MHDT,HHDT	2022																
	MHDT,HHDT	2022	50	263	8	15	0.0940	1.3970	1.2948	0.0024	0.0011	0.0010	0.0777	1.1550	1.0704	0.0020	0.0009	0.0008
	MHDT,HHDT	2023	50	312	8	15	0.0935	1.2469	1.3945	0.0023	0.0007	0.0007	0.0773	1.0308	1.1528	0.0019	0.0006	0.0006
	MHDT,HHDT	2024	50	64	8	15	0.0938	1.2407	1.4008	0.0023	0.0007	0.0006	0.0775	1.0257	1.1581	0.0019	0.0006	0.0005
East Site																		
Building Construction (Revis	MHDT,HHDT	2023					0.0935	1.2469	1.3945	0.0023	0.0007	0.0007						
	MHDT,HHDT	2023	50	264	8	15	0.0935	1.2469	1.3945	0.0023	0.0007	0.0007	0.0773	1.0308	1.1528	0.0019	0.0006	0.0006
	MHDT,HHDT	2024	50	314	8	15	0.0938	1.2407	1.4008	0.0023	0.0007	0.0006	0.0775	1.0257	1.1581	0.0019	0.0006	0.0005
	MHDT,HHDT	2025	50	148	8	15	0.0940	1.2356	1.4063	0.0022	0.0006	0.0006	0.0777	1.0215	1.1627	0.0018	0.0005	0.0005

Source: Based on AECOM Tishman, 2018; Millennium Partners, 2018; ESA, 2020

Hollywood Center
On-Road Truck Emission Factors (Aggregate Model Year, Aggregate Speeds)

EMFAC2017 (v1.0.7) Emission Rates
Region Type: Sub-Area
Region: Los Angeles (SC)
Calendar Years: 2020, 2021, 2022, 2023,2024,2025
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/hour for IDLEX, RESTL and DIURN

						CRITERIA AIR POLLUTANTS (g/mi or g/min)															
Region	**CalYr**	**VehClass**	**MdlYr**	**Speed**	**Fuel**	**ROG_RUNEX**	**ROG_IDLEX**	**NOx_RUNEX**	**NOx_IDLEX**	**CO_RUNEX**	**CO_IDLEX**	**SO2_RUNEX**	**SO2_IDLEX**	**PM10_BW**	**PM10_TW**	**PM10_RUNEX**	**PM10_IDLEX**	**PM2.5_BW**	**PM2.5_TW**	**PM2.5_RUNEX**	**PM2.5_IDLEX**
Los Angeles County (SC)	2021	MHDT,HHDT	Aggregated	Aggregated	Diesel	0.1240	0.0953	3.4086	1.4315	0.4676	1.2285	0.0117	0.0023	0.0957	0.0238	0.0616	0.0023	0.0410	0.0059	0.0590	0.0022
Los Angeles County (SC)	2022	MHDT,HHDT	Aggregated	Aggregated	Diesel	0.0698	0.0940	2.7315	1.3970	0.2988	1.2948	0.0114	0.0024	0.0957	0.0238	0.0331	0.0011	0.0410	0.0059	0.0317	0.0010
Los Angeles County (SC)	2023	MHDT,HHDT	Aggregated	Aggregated	Diesel	0.0139	0.0935	1.9610	1.2469	0.1464	1.3945	0.0108	0.0023	0.0957	0.0238	0.0129	0.0007	0.0410	0.0060	0.0123	0.0007
Los Angeles County (SC)	2024	MHDT,HHDT	Aggregated	Aggregated	Diesel	0.0140	0.0938	1.9788	1.2407	0.1492	1.4008	0.0106	0.0023	0.0957	0.0238	0.0130	0.0007	0.0410	0.0060	0.0124	0.0006
Los Angeles County (SC)	2025	MHDT,HHDT	Aggregated	Aggregated	Diesel	0.0139	0.0940	1.9751	1.2356	0.1501	1.4063	0.0104	0.0022	0.0957	0.0238	0.0130	0.0006	0.0410	0.0060	0.0125	0.0006

Source: California Air Resources Board, EMFAC2017. Accessed October 2019.

Hollywood Center
Road Dust Emission Factors

Paved Road Dust Emission Factors (Assumes No Precipitation)

Formula: $EF_{Dust,P} = (k\ (sL)^{0.91} \times (W)^{1.02})$

Where:

$EF_{Dust,P}$ = Paved Road Dust Emission Factor (having the same units as k)
k = particle size multiplier
sL = road surface silt loading (g/m^2)
W = average fleet vehicle weight (tons) (CARB uses 2.4 tons as a fleet average vehicle weight factor)

	Emission Factor (grams per VMT)	
	PM10	PM2.5
k	0.9979	0.2449
sL	0.1	0.1
W	2.4	2.4
$EF_{Dust,P}$	3.00E-01	7.36E-02

Unpaved Road Dust Emission Factors (Assumes No Precipitation)

Formula: $EF_{Dust,U} = (k\ (\ s / 12)^{1} \times (Sp / 30)^{0.5} / (M / 0.5)^{0.2}) - C)$

Where:

$EF_{Dust,U}$ = Unpaved Road Dust Emission Factor (having the same units as k)
k = particle size multiplier
s = surface material silt content (%)
Sp = mean vehicle speed (mph)
M = surface material moisture content (%)
C = Emission Factor for 1980s vehicle fleet exhaust, brake wear, and tire wear

	Emission Factor (grams per VMT)	
	PM10	PM2.5
k	816.47	81.65
s	4.3%	4.3%
Sp	15	15
M	0.5%	0.5%
C	0.00047	0.00036
$EF_{Dust,U}$	5.20E+00	5.19E-01

Sources:
SCAQMD, CalEEMod, Version 2011.1.
CARB, *Entrained Dust from Paved Road Travel: Emission Estimation Methodology Background Document* , (1997).
USEPA, *AP-42* , Fifth Edition, Volume I, Chapter 13.2.1 - Paved Roads, (2011).
ESA, 2020.

Hollywood Center
On-Road Worker Regional Emissions

Worker Total Emissions

Construction Phase	Source	Year	Daily One-Way Truck Trips	Work Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day) ROG	NOX	CO	SO2	PM10 Dust	PM10 Exh	Total PM10	PM2.5 Dust	PM2.5 Exh	Total PM2.5
West Site																
Demolition	LDA,LDT1,LDT2	2021	12	49	8	14.7	0.0089	0.0323	0.4254	0.0012	0.1340	0.0008	0.1349	0.0355	0.0008	0.0363
Site Preparation	LDA,LDT1,LDT2	2021	24	24	8	14.7	0.0179	0.0645	0.8508	0.0024	0.2680	0.0017	0.2697	0.0711	0.0015	0.0726
Grading/Excavation	LDA,LDT1,LDT2	2021	224	278	8	14.7	0.1670	0.6023	7.9411	0.0225	2.5016	0.0157	2.5173	0.6631	0.0144	0.6776
	LDA,LDT1,LDT2	2022	224	1	8	14.7	0.1446	0.5255	7.2251	0.0219	2.5016	0.0147	2.5163	0.6631	0.0135	0.6767
Foundations/Concrete Pour (Revised) [MI	LDA,LDT1,LDT2	2022														
Foundations	LDA,LDT1,LDT2	2022	250	49	8	14.7	0.1613	0.5865	8.0637	0.0244	2.7919	0.0164	2.8084	0.7401	0.0151	0.7552
Utilities/Trenching (Revised) [MHD101: R	LDA,LDT1,LDT2	2021	12	18	8	14.7	0.0089	0.0323	0.4254	0.0012	0.1340	0.0008	0.1349	0.0355	0.0008	0.0363
Building Construction (Revised) [Starting	LDA,LDT1,LDT2	2022														
	LDA,LDT1,LDT2	2022	600	263	8	14.7	0.3872	1.4076	19.3530	0.0587	6.7007	0.0394	6.7401	1.7763	0.0363	1.8125
	LDA,LDT1,LDT2	2023	600	312	8	14.7	0.3359	1.2349	17.7318	0.0570	6.7007	0.0373	6.7380	1.7763	0.0343	1.8106
	LDA,LDT1,LDT2	2024	600	64	8	14.7	0.2971	1.0970	16.4971	0.0556	6.7007	0.0361	6.7367	1.7763	0.0332	1.8094
Paving (Revised) [MHW112: Hardscap	LDA,LDT1,LDT2	2023	24	76	8	14.7	0.0134	0.0494	0.7093	0.0023	0.2680	0.0015	0.2695	0.0711	0.0014	0.0724
Architectural Coatings (Revised) [MHV	LDA,LDT1,LDT2	2022	16	59	8	14.7	0.0103	0.0375	0.5161	0.0016	0.1787	0.0011	0.1797	0.0474	0.0010	0.0483
	LDA,LDT1,LDT2	2023	16	312	8	14.7	0.0090	0.0329	0.4728	0.0015	0.1787	0.0010	0.1797	0.0474	0.0009	0.0483
	LDA,LDT1,LDT2	2024	16	27	8	14.7	0.0079	0.0293	0.4399	0.0015	0.1787	0.0010	0.1796	0.0474	0.0009	0.0483
East Site																
Site Preparation	LDA,LDT1,LDT2	2022	24	27	8	14.7	0.0155	0.0563	0.7741	0.0023	0.2680	0.0016	0.2696	0.0711	0.0015	0.0725
Grading/Excavation	LDA,LDT1,LDT2	2022	224	251	8	14.7	0.1446	0.5255	7.2251	0.0219	2.5016	0.0147	2.5163	0.6631	0.0135	0.6767
	LDA,LDT1,LDT2	2023	224	8	8	14.7	0.1254	0.4610	6.6199	0.0213	2.5016	0.0139	2.5155	0.6631	0.0128	0.6759
Foundations/Concrete Pour (Revised) [MI	LDA,LDT1,LDT2	2023														
Foundations	LDA,LDT1,LDT2	2023	248	40	8	14.7	0.1388	0.5104	7.3291	0.0235	2.7696	0.0154	2.7850	0.7342	0.0142	0.7484
Utilities/Trenching (Revised) [MHD101: R	LDA,LDT1,LDT2	2022	12	11	8	14.7	0.0077	0.0282	0.3871	0.0012	0.1340	0.0008	0.1348	0.0355	0.0007	0.0363
Building Construction (Revised) [Starting	LDA,LDT1,LDT2	2023														
	LDA,LDT1,LDT2	2023	600	264	8	14.7	0.3359	1.2349	17.7318	0.0570	6.7007	0.0373	6.7380	1.7763	0.0343	1.8106
	LDA,LDT1,LDT2	2024	600	314	8	14.7	0.2971	1.0970	16.4971	0.0556	6.7007	0.0361	6.7367	1.7763	0.0332	1.8094
	LDA,LDT1,LDT2	2025	600	148	8	14.7	0.2611	0.9812	15.3695	0.0539	6.7007	0.0346	6.7353	1.7763	0.0318	1.8081
Paving (Revised) [MHE112: Hardscape & I	LDA,LDT1,LDT2	2024	24	78	8	14.7	0.0119	0.0439	0.6599	0.0022	0.2680	0.0014	0.2695	0.0711	0.0013	0.0724
Architectural Coatings (Revised) [MHE109	LDA,LDT1,LDT2	2023	16	67	8	14.7	0.0090	0.0329	0.4728	0.0015	0.1787	0.0010	0.1797	0.0474	0.0009	0.0483
	LDA,LDT1,LDT2	2024	16	314	8	14.7	0.0079	0.0293	0.4399	0.0015	0.1787	0.0010	0.1796	0.0474	0.0009	0.0483
	LDA,LDT1,LDT2	2025	16	20	8	14.7	0.0070	0.0262	0.4099	0.0014	0.1787	0.0009	0.1796	0.0474	0.0008	0.0482

Source: Based on AECOM Tishman, 2018; Millennium Partners, 2018; ESA, 2020

Hollywood Center
On-Road Worker Regional Emissions

Worker Regional Running Emissions

Construction Phase	Source	Year	Daily One-Way Worker Trips	Work Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Running Emissions Factor (grams/mile) ROG	NOX	CO	SO2	PM10	PM2.5	Regional Emissions (pounds/day) ROG	NOX	CO	SO2	PM10	PM2.5
West Site																		
Demolition	LDA,LDT1,LDT2	2021	12	49	8	14.7	0.0230	0.0830	1.0939	0.0031	0.0022	0.0020	0.009	0.032	0.425	0.001	0.001	0.001
Site Preparation	LDA,LDT1,LDT2	2021	24	24	8	14.7	0.0230	0.0830	1.0939	0.0031	0.0022	0.0020	0.018	0.065	0.851	0.002	0.002	0.002
Grading/Excavation	LDA,LDT1,LDT2	2021	224	278	8	14.7	0.0230	0.0830	1.0939	0.0031	0.0022	0.0020	0.167	0.602	7.941	0.023	0.016	0.014
	LDA,LDT1,LDT2	2022	224	1	8	14.7	0.0199	0.0724	0.9953	0.0030	0.0020	0.0019	0.145	0.525	7.225	0.022	0.015	0.014
Foundations/Concrete Pour (Revised) [MH	LDA,LDT1,LDT2	2022																
Foundations	LDA,LDT1,LDT2	2022	250	49	8	14.7	0.0199	0.0724	0.9953	0.0030	0.0020	0.0019	0.161	0.586	8.064	0.024	0.016	0.015
Utilities/Trenching (Revised) [MHD101: Re	LDA,LDT1,LDT2	2021	12	18	8	14.7	0.0230	0.0830	1.0939	0.0031	0.0022	0.0020	0.009	0.032	0.425	0.001	0.001	0.001
Building Construction (Revised) [Starting w	LDA,LDT1,LDT2	2022																
	LDA,LDT1,LDT2	2022	600	263	8	14.7	0.0199	0.0724	0.9953	0.0030	0.0020	0.0019	0.387	1.408	19.353	0.059	0.039	0.036
	LDA,LDT1,LDT2	2023	600	312	8	14.7	0.0173	0.0635	0.9119	0.0029	0.0019	0.0018	0.336	1.235	17.732	0.057	0.037	0.034
	LDA,LDT1,LDT2	2024	600	64	8	14.7	0.0153	0.0564	0.8484	0.0029	0.0019	0.0017	0.297	1.097	16.497	0.056	0.036	0.033
Paving (Revised) [MHW112: Hardscape	LDA,LDT1,LDT2	2023	24	76	8	14.7	0.0173	0.0635	0.9119	0.0029	0.0019	0.0018	0.013	0.049	0.709	0.002	0.001	0.001
Architectural Coatings (Revised) [MHW	LDA,LDT1,LDT2	2022	16	59	8	14.7	0.0199	0.0724	0.9953	0.0030	0.0020	0.0019	0.010	0.038	0.516	0.002	0.001	0.001
	LDA,LDT1,LDT2	2023	16	312	8	14.7	0.0173	0.0635	0.9119	0.0029	0.0019	0.0018	0.009	0.033	0.473	0.002	0.001	0.001
	LDA,LDT1,LDT2	2024	16	27	8	14.7	0.0153	0.0564	0.8484	0.0029	0.0019	0.0017	0.008	0.029	0.440	0.001	0.001	0.001
East Site																		
Site Preparation	LDA,LDT1,LDT2	2022	24	27	8	14.7	0.0199	0.0724	0.9953	0.0030	0.0020	0.0019	0.015	0.056	0.774	0.002	0.002	0.001
Grading/Excavation	LDA,LDT1,LDT2	2022	224	251	8	14.7	0.0199	0.0724	0.9953	0.0030	0.0020	0.0019	0.145	0.525	7.225	0.022	0.015	0.014
	LDA,LDT1,LDT2	2023	224	8	8	14.7	0.0173	0.0635	0.9119	0.0029	0.0019	0.0018	0.125	0.461	6.620	0.021	0.014	0.013
Foundations/Concrete Pour (Revised) [MH	LDA,LDT1,LDT2	2023																
Foundations	LDA,LDT1,LDT2	2023	248	40	8	14.7	0.0173	0.0635	0.9119	0.0029	0.0019	0.0018	0.139	0.510	7.329	0.024	0.015	0.014
Utilities/Trenching (Revised) [MHD101: Re	LDA,LDT1,LDT2	2022	12	11	8	14.7	0.0199	0.0724	0.9953	0.0030	0.0020	0.0019	0.008	0.028	0.387	0.001	0.001	0.001
Building Construction (Revised) [Starting w	LDA,LDT1,LDT2	2023																
	LDA,LDT1,LDT2	2023	600	264	8	14.7	0.0173	0.0635	0.9119	0.0029	0.0019	0.0018	0.336	1.235	17.732	0.057	0.037	0.034
	LDA,LDT1,LDT2	2024	600	314	8	14.7	0.0153	0.0564	0.8484	0.0029	0.0019	0.0017	0.297	1.097	16.497	0.056	0.036	0.033
	LDA,LDT1,LDT2	2025	600	148	8	14.7	0.0134	0.0505	0.7904	0.0028	0.0018	0.0016	0.261	0.981	15.370	0.054	0.035	0.032
Paving (Revised) [MHE112: Hardscape & La	LDA,LDT1,LDT2	2024	24	78	8	14.7	0.0153	0.0564	0.8484	0.0029	0.0019	0.0017	0.012	0.044	0.660	0.002	0.001	0.001
Architectural Coatings (Revised) [MHE109:	LDA,LDT1,LDT2	2023	16	67	8	14.7	0.0173	0.0635	0.9119	0.0029	0.0019	0.0018	0.009	0.033	0.473	0.002	0.001	0.001
	LDA,LDT1,LDT2	2024	16	314	8	14.7	0.0153	0.0564	0.8484	0.0029	0.0019	0.0017	0.008	0.029	0.440	0.001	0.001	0.001
	LDA,LDT1,LDT2	2025	16	20	8	14.7	0.0134	0.0505	0.7904	0.0028	0.0018	0.0016	0.007	0.026	0.410	0.001	0.001	0.001

Source: Based on AECOM Tishman, 2018; Millennium Partners, 2018; ESA, 2020.

Hollywood Center
On-Road Worker Regional Emissions

Worker Fugitive Dust Emissions

Construction Phase	Source	Year	Daily One-Way Worker Trips	Work Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Running Emissions Factor (grams/mile) PM10 RD	PM10 BW	PM10 TW	PM2.5 RD	PM2.5 BW	PM2.5 TW	Regional Emissions (pounds/day) PM10 RD	PM10 BW	PM10 TW	PM2.5 RD	PM2.5 BW	PM2.5 TW
West Site																		
Demolition	LDA,LDT1,LDT2	2021	12	49	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	0.117	0.014	0.003	0.029	0.006	0.001
Site Preparation	LDA,LDT1,LDT2	2021	24	24	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	0.233	0.029	0.006	0.057	0.012	0.002
Grading/Excavation	LDA,LDT1,LDT2	2021	224	278	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	2.177	0.267	0.058	0.534	0.114	0.015
	LDA,LDT1,LDT2	2022	224	1	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	2.177	0.267	0.058	0.534	0.114	0.015
Foundations/Concrete Pour (Revised) [MH	LDA,LDT1,LDT2	2022																
Foundations	LDA,LDT1,LDT2	2022	250	49	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	2.429	0.298	0.065	0.596	0.128	0.016
Utilities/Trenching (Revised) [MHD101: Re	LDA,LDT1,LDT2	2021	12	18	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	0.117	0.014	0.003	0.029	0.006	0.001
Building Construction (Revised) [Starting w	LDA,LDT1,LDT2	2022																
	LDA,LDT1,LDT2	2022	600	263	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	5.831	0.715	0.156	1.431	0.306	0.039
	LDA,LDT1,LDT2	2023	600	312	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	5.831	0.715	0.156	1.431	0.306	0.039
	LDA,LDT1,LDT2	2024	600	64	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	5.831	0.715	0.156	1.431	0.306	0.039
Paving (Revised) [MHW112: Hardscape	LDA,LDT1,LDT2	2023	24	76	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	0.233	0.029	0.006	0.057	0.012	0.002
Architectural Coatings (Revised) [MHW	LDA,LDT1,LDT2	2022	16	59	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	0.155	0.019	0.004	0.038	0.008	0.001
	LDA,LDT1,LDT2	2023	16	312	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	0.155	0.019	0.004	0.038	0.008	0.001
	LDA,LDT1,LDT2	2024	16	27	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	0.155	0.019	0.004	0.038	0.008	0.001
East Site																		
Site Preparation	LDA,LDT1,LDT2	2022	24	27	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	0.233	0.029	0.006	0.057	0.012	0.002
Grading/Excavation	LDA,LDT1,LDT2	2022	224	251	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	2.177	0.267	0.058	0.534	0.114	0.015
	LDA,LDT1,LDT2	2023	224	8	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	2.177	0.267	0.058	0.534	0.114	0.015
Foundations/Concrete Pour (Revised) [MH	LDA,LDT1,LDT2	2023																
Foundations	LDA,LDT1,LDT2	2023	248	40	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	2.410	0.295	0.064	0.592	0.127	0.016
Utilities/Trenching (Revised) [MHD101: Re	LDA,LDT1,LDT2	2022	12	11	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	0.117	0.014	0.003	0.029	0.006	0.001
Building Construction (Revised) [Starting w	LDA,LDT1,LDT2	2023																
	LDA,LDT1,LDT2	2023	600	264	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	5.831	0.715	0.156	1.431	0.306	0.039
	LDA,LDT1,LDT2	2024	600	314	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	5.831	0.715	0.156	1.431	0.306	0.039
	LDA,LDT1,LDT2	2025	600	148	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	5.831	0.715	0.156	1.431	0.306	0.039
Paving (Revised) [MHE112: Hardscape & L	LDA,LDT1,LDT2	2024	24	78	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	0.233	0.029	0.006	0.057	0.012	0.002
Architectural Coatings (Revised) [MHE109:	LDA,LDT1,LDT2	2023	16	67	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	0.155	0.019	0.004	0.038	0.008	0.001
	LDA,LDT1,LDT2	2024	16	314	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	0.155	0.019	0.004	0.038	0.008	0.001
	LDA,LDT1,LDT2	2025	16	20	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	0.155	0.019	0.004	0.038	0.008	0.001

Source: Based on AECOM Tishman, 2018; Millennium Partners, 2018; ESA, 2020.

Hollywood Center
On-Road Woker Emission Factors (Aggregate Model Year, Aggregate Speeds)

EMFAC2017 (v1.0.7) Emission Rates
Region Type: Sub-Area
Region: Los Angeles (SC)
Calendar Years: 2020, 2021, 2022, 2023,2024,2025
Season: Annual
Vehicle Classification: EMFAC2011 Categories
Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/hour for IDLEX, RESTL and DIURN

						CRITERIA AIR POLLUTANTS (g/mi or g/min)									
Region	**CalYr**	**VehClass**	**MdlYr**	**Speed**	**Fuel**	**ROG_RUNEX**	**NOx_RUNEX**	**CO_RUNEX**	**SO2_RUNEX**	**PM10_BW**	**PM10_TW**	**PM10_RUNEX**	**PM2.5_BW**	**PM2.5_TW**	**PM2.5_RUNEX**
Los Angeles County (SC)	2021	LDA,LDT1,LDT2	Aggregated	Aggregated	Gas	0.0230	0.0830	1.0939	0.0031	0.0368	0.0080	0.0022	0.0158	0.0020	0.0020
Los Angeles County (SC)	2022	LDA,LDT1,LDT2	Aggregated	Aggregated	Gas	0.0199	0.0724	0.9953	0.0030	0.0368	0.0080	0.0020	0.0158	0.0020	0.0019
Los Angeles County (SC)	2023	LDA,LDT1,LDT2	Aggregated	Aggregated	Gas	0.0173	0.0635	0.9119	0.0029	0.0368	0.0080	0.0019	0.0158	0.0020	0.0018
Los Angeles County (SC)	2024	LDA,LDT1,LDT2	Aggregated	Aggregated	Gas	0.0153	0.0564	0.8484	0.0029	0.0368	0.0080	0.0019	0.0158	0.0020	0.0017
Los Angeles County (SC)	2025	LDA,LDT1,LDT2	Aggregated	Aggregated	Gas	0.0134	0.0505	0.7904	0.0028	0.0368	0.0080	0.0018	0.0158	0.0020	0.0016

Source: California Air Resources Board, EMFAC2017. Accessed October 2019.

EMFAC Off-Model Adjustment Factors to Account for the SAFE Vehicle Rule Part One

22-Nov-19

https://ww3.arb.ca.gov/msei/emfac_off_model_adjustment_factors_final_draft.pdf?utm_medium=email&utm_source=govdelivery

Original

Adjustment Factors for EMFAC2017 Gasoline Light Duty Vehicles					
Year	**NOx Exhaust**	**TOG Evaporative**	**TOG Exhaust**	**PM Exhaust**	**CO Exhaust**
2021	1.0002	1.0001	1.0002	1.0009	1.0005
2022	1.0004	1.0003	1.0004	1.0018	1.0014
2023	1.0007	1.0006	1.0007	1.0032	1.0027
2024	1.0012	1.001	1.0011	1.0051	1.0044
2025	1.0018	1.0016	1.0016	1.0074	1.0065
2026	1.0023	1.0022	1.002	1.0091	1.0083
2027	1.0028	1.0028	1.0024	1.0105	1.0102
2028	1.0034	1.0035	1.0028	1.0117	1.012
2029	1.004	1.0042	1.0032	1.0129	1.0138
2030	1.0047	1.0051	1.0037	1.0142	1.0156
2031	1.0054	1.0061	1.0042	1.0155	1.0173
2032	1.0061	1.0072	1.0047	1.0169	1.0189
2033	1.0068	1.0083	1.0052	1.0182	1.0204
2034	1.0075	1.0095	1.0058	1.0196	1.0218
2035	1.0081	1.0108	1.0063	1.021	1.0232
2036	1.0088	1.0121	1.0069	1.0223	1.0244
2037	1.0094	1.0134	1.0074	1.0236	1.0255
2038	1.0099	1.0148	1.0079	1.0248	1.0265
2039	1.0104	1.0161	1.0085	1.0259	1.0274
2040	1.0109	1.0174	1.009	1.027	1.0281
2041	1.0113	1.0186	1.0095	1.0279	1.0288
2042	1.0116	1.0198	1.0099	1.0286	1.0294
2043	1.0119	1.0207	1.0103	1.0293	1.0299
2044	1.0122	1.0216	1.0106	1.0299	1.0303
2045	1.0124	1.0225	1.0109	1.0303	1.0306
2046	1.0125	1.0233	1.0111	1.0308	1.0309
2047	1.0127	1.024	1.0113	1.0311	1.0311
2048	1.0128	1.0246	1.0115	1.0314	1.0313
2049	1.0128	1.0252	1.0116	1.0316	1.0315
2050	1.0129	1.0257	1.0117	1.0318	1.0316

Hollywood Center
Road Dust Emission Factors

Paved Road Dust Emission Factors (Assumes No Precipitation)

Formula: $EF_{Dust,P} = (k\ (sL)^{0.91} \times (W)^{1.02})$

Where:

$EF_{Dust,P}$ = Paved Road Dust Emission Factor (having the same units as k)
k = particle size multiplier
sL = road surface silt loading (g/m^2)
W = average fleet vehicle weight (tons) (CARB uses 2.4 tons as a fleet average vehicle weight factor)

	Emission Factor (grams per VMT)	
	PM10	PM2.5
k	0.9979	0.2449
sL	0.1	0.1
W	2.4	2.4
$EF_{Dust,P}$	3.00E-01	7.36E-02

Unpaved Road Dust Emission Factors (Assumes No Precipitation)

Formula: $EF_{Dust,U} = (k\ (\ s / 12)^{1} \times (Sp / 30)^{0.5} / (M / 0.5)^{0.2}) - C)$

Where:

$EF_{Dust,U}$ = Unpaved Road Dust Emission Factor (having the same units as k)
k = particle size multiplier
s = surface material silt content (%)
Sp = mean vehicle speed (mph)
M = surface material moisture content (%)
C = Emission Factor for 1980s vehicle fleet exhaust, brake wear, and tire wear

	Emission Factor (grams per VMT)	
	PM10	PM2.5
k	816.47	81.65
s	4.3%	4.3%
Sp	15	15
M	0.5%	0.5%
C	0.00047	0.00036
$EF_{Dust,U}$	5.20E+00	5.19E-01

Sources:
SCAQMD, CalEEMod, Version 2011.1.
CARB, *Entrained Dust from Paved Road Travel: Emission Estimation Methodology Background Document* , (1997).
USEPA, *AP-42* , Fifth Edition, Volume I, Chapter 13.2.1 - Paved Roads, (2011).
ESA, 2020.

Hollywood Center

Air Quality Construction Analysis

Mitigated

Project Regional Emissions

Regional Maximums Source	ROG	NOX	CO	SO2	PM10 Total	Total PM2.5
	lb/day					
West Site						
Demolition - 2021	1.25	23.68	25.33	0.10	2.40	0.96
Utilities/Trenching - 2021	0.15	0.64	9.07	0.02	0.15	0.05
Site Preparation - 2021	0.16	0.67	7.60	0.01	0.32	0.09
Grading - 2021	3.29	67.23	47.56	0.26	8.86	3.27
Grading - 2022	0.94	4.40	36.14	0.07	2.69	0.81
Foundations/Concrete Pour - 2022 (Shoring Wall + Cast in Drilled Hole Foundation)	0.52	3.85	19.04	0.05	3.04	0.87
Foundations/Concrete Pour - 2022 (Mat Foundation)	0.82	14.35	25.97	0.09	4.17	1.22
Foundations/Concrete Pour - 2022 (Column Footings)	0.57	5.07	19.40	0.06	3.16	0.91
Building Construction - 2022 (Structure Equipment Garage)	1.20	12.77	41.16	0.13	7.76	2.20
Building Construction - 2022 (Structure Equipment Tower)	1.10	9.92	40.33	0.12	7.46	2.11
Building Construction - 2022 (Structure Equipment Affordable)	1.12	10.32	40.45	0.13	7.51	2.12
Building Construction - 2022 (Retail)	1.07	8.96	40.05	0.12	7.36	2.07
Building Construction - 2022	1.01	7.06	39.50	0.11	7.17	2.01
Building Construction - 2023	0.92	6.18	37.84	0.11	7.15	1.99
Building Construction - 2024	0.88	6.05	36.62	0.11	7.15	1.99
Architectural Coating - 2022	13.25	0.76	4.37	0.01	0.20	0.07
Architectural Coating - 2023	13.25	0.75	4.33	0.01	0.20	0.07
Architectural Coating - 2024	13.25	0.75	4.30	0.01	0.20	0.07
Paving - 2023	0.47	3.25	22.47	0.04	0.33	0.13

East Site	ROG	NOX	CO	SO2	PM10 Total	Total PM2.5
	lb/day					
Site Preparation - 2022	0.46	12.58	9.40	0.06	1.81	0.57
Grading - 2022	2.07	48.38	43.05	0.25	8.14	2.58
Grading - 2023	0.92	4.34	35.54	0.07	2.69	0.81
Utilities/Trenching - 2022	0.15	0.64	9.03	0.02	0.15	0.05
Foundations/Concrete Pour (Shoring Wall+Cast In Drilled Hole Foundation) - 2023	0.41	2.85	18.02	0.05	2.99	0.84
Foundations/Concrete Pour (Mat Foundation)- 2023	0.51	8.26	21.08	0.08	3.78	1.06
Foundations/Concrete Pour (Column Footings) - 2023	0.43	3.74	18.35	0.06	3.11	0.87
Building Construction - 2023 (Structure Equipment Garage)	1.04	10.50	39.45	0.13	7.75	2.17
Building Construction - 2023 (Structure Equipment Tower)	0.97	8.14	38.58	0.12	7.42	2.07
Building Construction - 2023 (Structure Equipment Affordable)	0.96	7.95	38.50	0.12	7.39	2.07
Building Construction - 2023 (Retail)	1.00	9.12	38.94	0.13	7.56	2.12
Building Construction - 2023	0.92	6.18	37.84	0.11	7.15	1.99
Building Construction - 2024	0.88	6.05	36.62	0.11	7.15	1.99
Building Construction - 2025	0.84	5.93	35.50	0.11	7.15	1.99
Architectural Coating - 2023	12.89	0.75	4.33	0.01	0.20	0.07
Architectural Coating - 2024	12.89	0.75	4.30	0.01	0.20	0.07
Architectural Coating - 2025	12.89	0.74	4.27	0.01	0.20	0.07
Paving - 2024	0.48	3.31	21.33	0.04	0.33	0.14

Hollywood Center
Air Quality Construction Analysis
Mitigated
Project Regional Emissions

Overlapping Phases						
	ROG	NOX	CO	SO2	PM10 Total	Total PM2.5
	lb/day					
Demolition + Site Preparation + Utilities/Trenching - 2021	1.56	24.99	42.00	0.13	2.88	1.11
Demolition + Site Preparation + Grading Excavation - 2021	4.70	91.58	80.49	0.37	11.58	4.32
Grading Excavation - 2022	0.94	4.40	36.14	0.07	2.69	0.81
Foundations/Concrete Pour - 2022 (Shoring Wall + Cast in Drilled Hole Foundation)	0.52	3.85	19.04	0.05	3.04	0.87
Foundations/Concrete Pour - 2022 (Mat Foundation)	0.82	14.35	25.97	0.09	4.17	1.22
Foundations/Concrete Pour - 2022 (Column Footings)	0.57	5.07	19.40	0.06	3.16	0.91
West: Building Construction (Structure Equipment Garage) - 2022						
East: Site Preparation + Utilities/Trenching + Grading Excavation - 2022	3.88	74.36	102.64	0.47	17.86	5.41
West: Building Construction (Structure Equipment Tower) - 2022						
East: Grading Excavation - 2022	3.18	58.30	83.38	0.37	15.61	4.69
West: Building Construction (Structure Equipment Affordable) - 2022						
East: Grading Excavation - 2022	3.19	58.70	83.50	0.37	15.65	4.70
West: Building Construction (Retail) - 2022						
East: Grading Excavation - 2022	3.14	57.34	83.11	0.37	15.51	4.65
West: Building Construction + Architectural Coatings - 2022						
East: Grading Excavation - 2022	16.33	56.20	86.93	0.37	15.51	4.66
West: Building Construction + Architecural Coating - 2023						
East: Grading Excavation - 2023	15.08	11.27	77.71	0.19	10.05	2.88
West: Building Construction + Architectural Coatings - 2023						
East: Foundations/Concrete Pour (Shoring Wall + Cast in Drilled Hole Foundation) - 2023	14.57	9.79	60.20	0.17	10.34	2.90
West: Building Construction + Architectural Coatings - 2023						
East: Foundations/Concrete Pour (Mat Foundation) - 2023	14.68	15.19	63.26	0.19	11.13	3.13
West: Building Construction + Architectural Coatings - 2023						
East: Foundations/Concrete Pour (Column Footings) - 2023	14.60	10.67	60.52	0.17	10.46	2.94
West: Building Construction + Architectural Coatings - 2023						
East: Building Construction (Structure Equipment Garage) - 2023	15.20	17.43	81.63	0.25	15.10	4.24
West: Building Construction + Architectrual Coatings + Pavings - 2023						
East: Building Construction (Structure Equipment Tower) - 2023	15.60	18.32	103.21	0.28	15.10	4.27
West: Building Construction + Architectural Coatings + Pavings - 2023						
East: Building Construction (Structure Equipment Affordable) - 2023	15.60	18.13	103.14	0.27	15.08	4.27
West: Building Construction + Architectural Coatings + Paving - 2023						
East: Building Construction (Structure Retail) - 2023	15.63	19.30	103.58	0.28	15.24	4.32
West: Building Construction + Architectural Coatings + Paving - 2023						
East: Building Construction - 2023	15.55	16.36	102.48	0.27	14.83	4.19
West: Building Construction + Architectural Coatings - 2023						
East: Building Construction - 2023	15.08	13.11	80.02	0.23	14.50	4.06
West: Building Construction + Architectural Coatings - 2023						
East: Building Construction + Architectural Coatings - 2023	27.97	13.86	84.35	0.24	14.71	4.13
West: Building Construction + Architectural Coatings - 2024						
East: Building Construction + Architectural Coatings - 2024	27.89	13.60	81.83	0.24	14.70	4.13
East: Building Construction + Architectural Coatings + Paving - 2024	14.25	10.11	62.25	0.15	7.68	2.20
East: Building Construction + Architectural Coatings - 2025	13.73	6.67	39.76	0.12	7.35	2.06
Daily Maximum Emissions	**28**	**92**	**104**	**0.5**	**18**	**5**
SCAQMD Regional Threshold	75	100	550	150	150	55
Exceeds Threshold?	No	No	No	No	No	No

Air Quality Construction Analysis
Mitigated
Project Localized Emissions

Project Localized Emissions Source	NOX	CO	PM10 Total	Total PM2.5
	lb/day			
West Site				
Demolition - 2021	2.07	21.22	0.15	0.08
Utilities/Trenching - 2021	0.61	8.64	0.02	0.02
Site Preparation - 2021	0.61	6.75	0.05	0.02
Grading - 2021	3.88	28.92	0.18	0.14
Grading - 2022	3.88	28.92	0.18	0.14
Foundations/Concrete Pour - 2022 (Shoring Wall + Cast in Drilled Hole Foundation)	1.63	10.50	0.06	0.06
Foundations/Concrete Pour - 2022 (Mat Foundation)	1.00	14.20	0.03	0.03
Foundations/Concrete Pour - 2022 (Column Footings)	1.63	10.50	0.06	0.06
Building Construction - 2022 (Structure Equipment Garage)	2.42	18.85	0.08	0.08
Building Construction - 2022 (Structure Equipment Tower)	2.42	18.85	0.08	0.08
Building Construction - 2022 (Structure Equipment Affordable)	2.42	18.85	0.08	0.08
Building Construction - 2022 (Retail)	2.42	18.85	0.08	0.08
Building Construction - 2022	2.42	18.85	0.08	0.08
Building Construction - 2023	2.42	18.85	0.08	0.08
Building Construction - 2024	2.42	18.85	0.08	0.08
Architectural Coating - 2022	0.72	3.86	0.03	0.03
Architectural Coating - 2023	0.72	3.86	0.03	0.03
Architectural Coating - 2024	0.72	3.86	0.03	0.03
Paving - 2023	3.20	21.76	0.06	0.06

	NOX	CO	PM10 Total	Total PM2.5
East Site	lb/day			
Site Preparation - 2022	0.61	6.75	0.06	0.02
Grading - 2022	3.88	28.92	0.18	0.14
Grading - 2023	3.88	28.92	0.18	0.14
Utilities/Trenching - 2022	0.61	8.64	0.02	0.02
Foundations/Concrete Pour (Shoring Wall+Cast In Drilled Hole Foundation) - 2023	1.17	10.25	0.04	0.04
Foundations/Concrete Pour (Mat Foundation)- 2023	0.78	11.16	0.02	0.02
Foundations/Concrete Pour (Column Footings) - 2023	1.17	10.25	0.04	0.04
Building Construction - 2023 (Structure Equipment Garage)	2.42	18.85	0.08	0.08
Building Construction - 2023 (Structure Equipment Tower)	2.42	18.85	0.08	0.08
Building Construction - 2023 (Structure Equipment Affordable)	2.42	18.85	0.08	0.08
Building Construction - 2023 (Retail)	2.42	18.85	0.08	0.08
Building Construction - 2023	2.42	18.85	0.08	0.08
Building Construction - 2024	2.42	18.85	0.08	0.08
Building Construction - 2025	2.42	18.85	0.08	0.08
Architectural Coating - 2023	0.72	3.86	0.03	0.03
Architectural Coating - 2024	0.72	3.86	0.03	0.03
Architectural Coating - 2025	0.72	3.86	0.03	0.03
Paving - 2024	3.27	20.67	0.06	0.06

Hollywood Center
Air Quality Construction Analysis
Mitigated
Project Localized Emissions

Overlapping Phases				
	NOX	CO	PM10 Total	Total PM2.5
	lb/day			
Demolition + Site Preparation + Utilities/Trenching - 2021	3.29	36.62	0.22	0.12
Demolition + Site Preparation + Grading Excavation - 2021	6.56	56.89	0.37	0.24
Grading Excavation - 2022	3.88	28.92	0.18	0.14
Foundations/Concrete Pour - 2022 (Shoring Wall + Cast in Drilled Hole Foundation)	1.63	10.50	0.06	0.06
Foundations/Concrete Pour - 2022 (Mat Foundation)	1.00	14.20	0.03	0.03
Foundations/Concrete Pour - 2022 (Column Footings)	1.63	10.50	0.06	0.06
West: Building Construction (Structure Equipment Garage) - 2022				
East: Site Preparation + Utilities/Trenching + Grading Excavation - 2022	7.52	63.16	0.34	0.26
West: Building Construction (Structure Equipment Tower) - 2022				
East: Grading Excavation - 2022	6.30	47.77	0.26	0.22
West: Building Construction (Structure Equipment Affordable) - 2022				
East: Grading Excavation - 2022	6.30	47.77	0.26	0.22
West: Building Construction (Retail) - 2022				
East: Grading Excavation - 2022	6.30	47.77	0.26	0.22
West: Building Construction + Architectural Coatings - 2022				
East: Grading Excavation - 2022	7.02	51.62	0.28	0.24
West: Building Construction + Architecural Coating - 2023				
East: Grading Excavation - 2023	7.02	51.62	0.28	0.24
West: Building Construction + Architectural Coatings - 2023				
East: Foundations/Concrete Pour (Shoring Wall + Cast in Drilled Hole Foundation) - 2023	4.31	32.96	0.14	0.14
West: Building Construction + Architectural Coatings - 2023				
East: Foundations/Concrete Pour (Mat Foundation) - 2023	3.93	33.86	0.13	0.13
West: Building Construction + Architectural Coatings - 2023				
East: Foundations/Concrete Pour (Column Footings) - 2023	4.31	32.96	0.14	0.14
West: Building Construction + Architectural Coatings - 2023				
East: Building Construction (Structure Equipment Garage) - 2023	5.57	41.55	0.19	0.19
West: Building Construction + Architectrual Coatings + Pavings - 2023				
East: Building Construction (Structure Equipment Tower) - 2023	8.77	63.31	0.25	0.25
West: Building Construction + Architectural Coatings + Pavings - 2023				
East: Building Construction (Structure Equipment Affordable) - 2023	8.77	63.31	0.25	0.25
West: Building Construction + Architectural Coatings + Paving - 2023				
East: Building Construction (Structure Retail) - 2023	8.77	63.31	0.25	0.25
West: Building Construction + Architectural Coatings + Paving - 2023				
East: Building Construction - 2023	8.77	63.31	0.25	0.25
West: Building Construction + Architectural Coatings - 2023				
East: Building Construction - 2023	5.57	41.55	0.19	0.19
West: Building Construction + Architectural Coatings - 2023				
East: Building Construction + Architectural Coatings - 2023	6.28	45.41	0.21	0.21
West: Building Construction + Architectural Coatings - 2024				
East: Building Construction + Architectural Coatings - 2024	6.28	45.41	0.21	0.21
East: Building Construction + Architectural Coatings + Paving - 2024	6.41	43.38	0.17	0.17
East: Building Construction + Architectural Coatings - 2025	3.14	22.70	0.11	0.11
Daily Maximum Emissions	**9**	**63**	**0.4**	**0.3**
Localized Significance Thresholds	154	1755	15.0	7.6
Exceeds Threshold?	No	No	No	No

Hollywood Center

Air Quality Construction Analysis

Mitigated

West Site Regional Emissions

Regional Maximums Source	ROG	NOX	CO	SO2	PM10 Total	Total PM2.5
	lb/day					
Demolition - 2021	1.25	23.68	25.33	0.10	2.40	0.96
Utilities/Trenching - 2021	0.15	0.64	9.07	0.02	0.15	0.05
Site Preparation - 2021	0.16	0.67	7.60	0.01	0.32	0.09
Grading - 2021	3.29	67.23	47.56	0.26	8.86	3.27
Grading - 2022	0.94	4.40	36.14	0.07	2.69	0.81
Foundations/Concrete Pour - 2022 (Shoring Wall + Cast in Drilled Hole Foundation)	0.52	3.85	19.04	0.05	3.04	0.87
Foundations/Concrete Pour - 2022 (Mat Foundation)	0.82	14.35	25.97	0.09	4.17	1.22
Foundations/Concrete Pour - 2022 (Column Footings)	0.57	5.07	19.40	0.06	3.16	0.91
Building Construction - 2022 (Structure Equipment Garage)	1.20	12.77	41.16	0.13	7.76	2.20
Building Construction - 2022 (Structure Equipment Tower)	1.10	9.92	40.33	0.12	7.46	2.11
Building Construction - 2022 (Structure Equipment Affordable)	1.12	10.32	40.45	0.13	7.51	2.12
Building Construction - 2022 (Retail)	1.07	8.96	40.05	0.12	7.36	2.07
Building Construction - 2022	1.01	7.06	39.50	0.11	7.17	2.01
Building Construction - 2023	0.92	6.18	37.84	0.11	7.15	1.99
Building Construction - 2024	0.88	6.05	36.62	0.11	7.15	1.99
Architectural Coating - 2022	13.25	0.76	4.37	0.01	0.20	0.07
Architectural Coating - 2023	13.25	0.75	4.33	0.01	0.20	0.07
Architectural Coating - 2024	13.25	0.75	4.30	0.01	0.20	0.07
Paving - 2023	0.47	3.25	22.47	0.04	0.33	0.13
Overlapping Phases						
Demolition + Utilities Trenching + Site Preparation - 2021	1.6	25.0	42.0	0.1	2.9	1.1
Demolition + Site Preparation + Grading/Excavation - 2021	4.7	91.6	80.5	0.4	11.6	4.3
Grading - 2022	0.9	4.4	36.1	0.1	2.7	0.8
Foundations/Concrete Pour - 2022 (Shoring Wall + Cast in Drilled Hole Foundation)	0.5	3.8	19.0	0.1	3.0	0.9
Foundations/Concrete Pour - 2022 (Mat Foundation)	0.8	14.3	26.0	0.1	4.2	1.2
Foundations/Concrete Pour - 2022 (Column Footings)	0.6	5.1	19.4	0.1	3.2	0.9
Building Construction - 2022 (Structure Equipment Garage)	1.2	12.8	41.2	0.1	7.8	2.2
Building Construction - 2022 (Structure Equipment Tower)	1.1	9.9	40.3	0.1	7.5	2.1
Building Construction - 2022 (Structure Equipment Affordable)	1.1	10.3	40.4	0.1	7.5	2.1
Building Construction - 2022 (Retail)	1.1	9.0	40.1	0.1	7.4	2.1
Building Construction + Architectural Coating - 2022	14.3	7.8	43.9	0.1	7.4	2.1
Building Construction + Architectural Coating + Paving - 2023	14.6	10.2	64.6	0.2	7.7	2.2
Building Construction + Architectural Coating - 2024	14.13	6.80	40.91	0.12	7.35	2.06
Daily Maximum Emissions	**15**	**92**	**80**	**0.4**	**12**	**4**
SCAQMD Regional Threshold	75	100	550	150	150	55
Exceeds Threshold?	No	No	No	No	No	No

Hollywood Center

Air Quality Construction Analysis

Mitigated

West Site Onsite Emissions

Localized Emissions Summary Source	NOX	CO lb/day	PM10 Total	Total PM2.5
Demolition - 2021	2.07	21.22	0.15	0.08
Utilities/Trenching - 2021	0.61	8.64	0.02	0.02
Site Preparation - 2021	0.61	6.75	0.05	0.02
Grading - 2021	3.88	28.92	0.18	0.14
Grading - 2022	3.88	28.92	0.18	0.14
Foundations/Concrete Pour - 2022 (Shoring Wall + Cast in Drilled Hole	1.63	10.50	0.06	0.06
Foundations/Concrete Pour - 2022 (Mat Foundation)	1.00	14.20	0.03	0.03
Foundations/Concrete Pour - 2022 (Column Footings)	1.63	10.50	0.06	0.06
Building Construction - 2022 (Structure Equipment Garage)	2.42	18.85	0.08	0.08
Building Construction - 2022 (Structure Equipment Tower)	2.42	18.85	0.08	0.08
Building Construction - 2022 (Structure Equipment Affordable)	2.42	18.85	0.08	0.08
Building Construction - 2022 (Retail)	2.42	18.85	0.08	0.08
Building Construction - 2022	2.42	18.85	0.08	0.08
Building Construction - 2023	2.42	18.85	0.08	0.08
Building Construction - 2024	2.42	18.85	0.08	0.08
Architectural Coating - 2022	0.72	3.86	0.03	0.03
Architectural Coating - 2023	0.72	3.86	0.03	0.03
Architectural Coating - 2024	0.72	3.86	0.03	0.03
Paving - 2023	3.20	21.76	0.06	0.06
Daily Maximum Emission	3.88	28.92	0.18	0.14
Localized Significance Threshold	105	1019	8	5
Exceed Threshold?	No	No	No	No

Overlapping Phases				
Demolition + Utilities Trenching + Site Preparation - 2021	3	28	0.2	0.1
Demolition + Site Preparation + Grading/Excavation - 2021	7	57	0.4	0.2
Grading - 2022	4	29	0.2	0.1
Foundations/Concrete Pour - 2022 (Shoring Wall + Cast in Drilled Hole Foundation)	2	11	0.1	0.1
Foundations/Concrete Pour - 2022 (Mat Foundation)	1	14	0.03	0.03
Foundations/Concrete Pour - 2022 (Column Footings)	2	11	0.1	0.1
Building Construction - 2022 (Structure Equipment Garage)	2	19	0.1	0.1
Building Construction - 2022 (Structure Equipment Tower)	2	19	0.1	0.1
Building Construction - 2022 (Structure Equipment Affordable)	2	19	0.1	0.1
Building Construction - 2022 (Retail)	2	19	0.1	0.1
Building Construction + Architectural Coating - 2022	3	23	0.1	0.1
Building Construction + Architectural Coating + Paving - 2023	6	44	0.2	0.2
Building Construction + Architectural Coating - 2024	3	23	0.1	0.1
Daily Maximum Emission	**7**	**57**	**0.4**	**0.2**
Localized Significance Threshold	105	1019	7.8	4.8
Exceed Threshold?	No	No	No	No

Hollywood Center
Air Quality Construction Analysis
Mitigated
East Site Regional Emissions

Regional Maximums Source	ROG	NOX	CO	SO2	PM10 Total	Total PM2.5
			lb/day			
Site Preparation - 2022	0.46	12.58	9.40	0.06	1.81	0.57
Grading - 2022	2.07	48.38	43.05	0.25	8.14	2.58
Grading - 2023	0.92	4.34	35.54	0.07	2.69	0.81
Utilities/Trenching - 2022	0.15	0.64	9.03	0.02	0.15	0.05
Foundations/Concrete Pour (Shoring Wall+Cast In Drilled Hole Foundation) - 2023	0.41	2.85	18.02	0.05	2.99	0.84
Foundations/Concrete Pour (Mat Foundation)- 2023	0.51	8.26	21.08	0.08	3.78	1.06
Foundations/Concrete Pour (Column Footings) - 2023	0.43	3.74	18.35	0.06	3.11	0.87
Building Construction - 2023 (Structure Equipment Garage)	1.04	10.50	39.45	0.13	7.75	2.17
Building Construction - 2023 (Structure Equipment Tower)	0.97	8.14	38.58	0.12	7.42	2.07
Building Construction - 2023 (Structure Equipment Affordable)	0.96	7.95	38.50	0.12	7.39	2.07
Building Construction - 2023 (Retail)	1.00	9.12	38.94	0.13	7.56	2.12
Building Construction - 2023	0.92	6.18	37.84	0.11	7.15	1.99
Building Construction - 2024	0.88	6.05	36.62	0.11	7.15	1.99
Building Construction - 2025	0.84	5.93	35.50	0.11	7.15	1.99
Architectural Coating - 2023	12.89	0.75	4.33	0.01	0.20	0.07
Architectural Coating - 2024	12.89	0.75	4.30	0.01	0.20	0.07
Architectural Coating - 2025	12.89	0.74	4.27	0.01	0.20	0.07
Paving - 2024	0.48	3.31	21.33	0.04	0.33	0.14
Overlapping Phases						
2022						
Site Preparation + Utilities/Trenching + Grading/Excavation - 2022	2.7	61.6	61.5	0.3	10.1	3.2
Grading Excavation - 2023	0.9	4.3	35.5	0.1	2.7	0.8
Foundations/Concrete Pour (Shoring Wall+Cast In Drilled Hole Foundation) - 2023	0.4	2.9	18.0	0.1	3.0	0.8
Foundations/Concrete Pour (Mat Foundation)- 2023	0.5	8.3	21.1	0.1	3.8	1.1
Foundations/Concrete Pour (Column Footings) - 2023	0.4	3.7	18.4	0.1	3.1	0.9
Building Construction - 2023 (Structure Equipment Garage)	1.0	10.5	39.5	0.1	7.7	2.2
Building Construction - 2023 (Structure Equipment Tower)	1.0	8.1	38.6	0.1	7.4	2.1
Building Construction - 2023 (Structure Equipment Affordable)	1.0	7.9	38.5	0.1	7.4	2.1
Building Construction - 2023 (Retail)	1.0	9.1	38.9	0.1	7.6	2.1
Building Construction + Architectural Coating - 2023	13.8	6.9	42.2	0.1	7.4	2.1
Building Construction + Architectural Coating + Paving - 2024	14.2	10.1	62.2	0.2	7.7	2.2
Building Construction + Architectural Coating - 2025	13.7	6.7	39.8	0.1	7.3	2.1
Daily Maximum Emissions	**14**	**62**	**62**	**0.3**	**10**	**3**
SCAQMD Regional Threshold	75	100	550	150	150	55
Exceeds Threshold?	No	No	No	No	No	No

Hollywood Center
Air Quality Construction Analysis
Mitigated
East Site Onsite Emissions

Localized Emissions Summary Source	NOX	CO lb/day	PM10 Total	Total PM2.5
Site Preparation - 2022	0.61	6.75	0.06	0.02
Grading - 2022	3.88	28.92	0.18	0.14
Grading - 2023	3.88	28.92	0.18	0.14
Utilities/Trenching - 2022	0.61	8.64	0.02	0.02
Foundations/Concrete Pour (Shoring Wall+Cast In Drilled Hole Foundation) - 2023	1.17	10.25	0.04	0.04
Foundations/Concrete Pour (Mat Foundation)- 2023	0.78	11.16	0.02	0.02
Foundations/Concrete Pour (Column Footings) - 2023	1.17	10.25	0.04	0.04
Building Construction - 2023 (Structure Equipment Garage)	2.42	18.85	0.08	0.08
Building Construction - 2023 (Structure Equipment Tower)	2.42	18.85	0.08	0.08
Building Construction - 2023 (Structure Equipment Affordable)	2.42	18.85	0.08	0.08
Building Construction - 2023 (Retail)	2.42	18.85	0.08	0.08
Building Construction - 2023	2.42	18.85	0.08	0.08
Building Construction - 2024	2.42	18.85	0.08	0.08
Building Construction - 2025	2.42	18.85	0.08	0.08
Architectural Coating - 2023	0.72	3.86	0.03	0.03
Architectural Coating - 2024	0.72	3.86	0.03	0.03
Architectural Coating - 2025	0.72	3.86	0.03	0.03
Paving - 2024	3.27	20.67	0.06	0.06
Daily Maximum	3.88	28.92	0.18	0.14
Localized Significance Threshold	120.00	1235.00	9.80	5.70
Exceed Threshold?	No	No	No	No

Overlapping Phases				
Site Preparation + Utilities/Trenching + Grading/Excavation - 2022	5	44	0.3	0.2
Grading Excavation - 2023	4	29	0.2	0.1
Foundations/Concrete Pour (Shoring Wall+Cast In Drilled Hole Foundation) - 2023	1	10	0.04	0.04
Foundations/Concrete Pour (Mat Foundation)- 2023	1	11	0.02	0.02
Foundations/Concrete Pour (Column Footings) - 2023	1	10	0.0	0.04
Building Construction - 2023 (Structure Equipment Garage)	2	19	0.1	0.1
Building Construction - 2023 (Structure Equipment Tower)	2	19	0.1	0.1
Building Construction - 2023 (Structure Equipment Affordable)	2	19	0.1	0.1
Building Construction - 2023 (Retail)	2	19	0.1	0.1
Building Construction + Architectural Coating - 2023	3	23	0.1	0.1
Building Construction + Architectural Coating + Paving - 2024	6	43	0.2	0.2
Building Construction + Architectural Coating - 2025	3	23	0.1	0.1
Daily Maximum Emissions	**6**	**44**	**0.3**	**0.2**
Localized Significance Threshold	120	1235	9.8	5.7
Exceed Threshold?	No	No	No	No

Hollywood Center - West - Construction

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	41.60	1000sqft	0.10	41,600.00	0
Enclosed Parking with Elevator	837.00	Space	0.50	432,956.00	0
Other Non-Asphalt Surfaces	22.45	1000sqft	0.10	22,450.00	0
User Defined Parking	5.16	User Defined Unit	0.22	5,163.00	0
City Park	0.79	Acre	0.10	34,205.00	0
Fast Food Restaurant w/o Drive Thru	1.98	1000sqft	0.10	1,983.00	0
High Turnover (Sit Down Restaurant)	11.24	1000sqft	0.10	11,237.00	0
Apartments Mid Rise	68.00	Dwelling Unit	0.20	67,705.00	194
Condo/Townhouse High Rise	449.00	Dwelling Unit	0.50	581,464.00	1284

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2024
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - see construction assumptions

Construction Phase - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions. Jackhammer assumed to be powered by generator set.

Off-road Equipment - see construction assumptions. Jackhammers assumed to be powered by generator set.

Off-road Equipment - see construction assumptions. Jackhammers assumed to be powered by generator.

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Trips and VMT - see construction assumptions

Demolition - 912 CY converted to building square footage.

Grading - see construction assumptions

Woodstoves - see construction assumptions

Construction Off-road Equipment Mitigation - see construction assumptions

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	44,513.00	55,738.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	133,538.00	167,213.00
tblArchitecturalCoating	ConstArea_Parking	27,634.00	26,287.00
tblAreaCoating	Area_Nonresidential_Exterior	44513	45115
tblAreaCoating	Area_Nonresidential_Interior	133538	135344
tblAreaCoating	Area_Parking	27634	26786
tblAreaCoating	Area_Residential_Exterior	438189	437603
tblAreaCoating	Area_Residential_Interior	1314567	1312808
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	398.00
tblConstructionPhase	NumDays	200.00	49.00

tblConstructionPhase	NumDays	200.00	639.00
tblConstructionPhase	NumDays	20.00	49.00
tblConstructionPhase	NumDays	4.00	279.00
tblConstructionPhase	NumDays	10.00	76.00
tblConstructionPhase	NumDays	2.00	24.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	57.80	0.00
tblFireplaces	NumberGas	381.65	0.00
tblFireplaces	NumberNoFireplace	6.80	0.00
tblFireplaces	NumberNoFireplace	44.90	0.00
tblFireplaces	NumberWood	3.40	0.00
tblFireplaces	NumberWood	22.45	0.00
tblGrading	AcresOfGrading	0.00	1.92
tblGrading	AcresOfGrading	0.00	1.92
tblGrading	MaterialExported	0.00	281,370.00
tblLandUse	LandUseSquareFeet	334,800.00	432,956.00
tblLandUse	LandUseSquareFeet	0.00	5,163.00

tblLandUse	LandUseSquareFeet	34,412.40	34,205.00
tblLandUse	LandUseSquareFeet	1,980.00	1,983.00
tblLandUse	LandUseSquareFeet	11,240.00	11,237.00
tblLandUse	LandUseSquareFeet	68,000.00	67,705.00
tblLandUse	LandUseSquareFeet	449,000.00	581,464.00
tblLandUse	LotAcreage	0.96	0.10
tblLandUse	LotAcreage	7.53	0.50
tblLandUse	LotAcreage	0.52	0.10
tblLandUse	LotAcreage	0.00	0.22
tblLandUse	LotAcreage	0.79	0.10
tblLandUse	LotAcreage	0.05	0.10
tblLandUse	LotAcreage	0.26	0.10
tblLandUse	LotAcreage	1.79	0.20
tblLandUse	LotAcreage	7.02	0.50
tblOffRoadEquipment	HorsePower	187.00	84.00
tblOffRoadEquipment	LoadFactor	0.41	0.74
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00

tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	38.69	39.23
tblWater	IndoorWaterUseRate	7,393,723.92	7,496,809.49
tblWater	OutdoorWaterUseRate	941,270.27	953,185.08
tblWater	OutdoorWaterUseRate	4,531,637.24	4,594,818.72
tblWoodstoves	NumberCatalytic	3.40	0.00
tblWoodstoves	NumberCatalytic	22.45	0.00
tblWoodstoves	NumberNoncatalytic	3.40	0.00
tblWoodstoves	NumberNoncatalytic	22.45	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/4/2021	3/1/2021	6	49	
2	Utilities/Trenching	Trenching	1/14/2021	2/3/2021	6	18	
3	Site Preparation	Site Preparation	2/1/2021	2/28/2021	6	24	
4	Grading	Grading	2/11/2021	1/2/2022	6	279	

5	Foundations/Concrete Pour	Building Construction	1/3/2022	2/28/2022	6	49	
6	Building Construction	Building Construction	3/1/2022	3/14/2024	6	639	
7	Architectural Coating	Architectural Coating	10/25/2022	1/31/2024	6	398	
8	Paving	Paving	7/6/2023	10/2/2023	6	76	

Acres of Grading (Site Preparation Phase): 1.923

Acres of Grading (Grading Phase): 1.923

Acres of Paving: 0.823

Residential Indoor: 1,314,567; Residential Outdoor: 438,189; Non-Residential Indoor: 167,213; Non-Residential Outdoor: 55,738; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Air Compressors	1	8.00	78	0.48
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition	Dumpers/Tenders	1	8.00	16	0.38
Demolition	Excavators	1	8.00	158	0.38
Demolition	Generator Sets	1	8.00	84	0.74
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Rubber Tired Loaders	1	8.00	203	0.36
Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Utilities/Trenching	Air Compressors	1	8.00	78	0.48
Utilities/Trenching	Concrete/Industrial Saws	1	8.00	81	0.73
Utilities/Trenching	Cranes	1	8.00	231	0.29
Utilities/Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Excavators	1	8.00	158	0.38
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	0	7.00	247	0.40
Site Preparation	Rubber Tired Loaders	1	8.00	203	0.36
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Dumpers/Tenders	2	8.00	16	0.38

Grading	Excavators	4	8.00	158	0.38
Grading	Graders	0	6.00	187	0.41
Grading	Plate Compactors	2	8.00	8	0.43
Grading	Rubber Tired Dozers	0	6.00	247	0.40
Grading	Rubber Tired Loaders	2	8.00	203	0.36
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Foundations/Concrete Pour	Air Compressors	1	8.00	78	0.48
Foundations/Concrete Pour	Cranes	1	8.00	231	0.29
Foundations/Concrete Pour	Dumpers/Tenders	2	8.00	16	0.38
Foundations/Concrete Pour	Forklifts	1	8.00	89	0.20
Foundations/Concrete Pour	Generator Sets	1	8.00	84	0.74
Foundations/Concrete Pour	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Foundations/Concrete Pour	Welders	0	8.00	46	0.45
Building Construction	Air Compressors	1	8.00	78	0.48
Building Construction	Bore/Drill Rigs	1	8.00	221	0.50
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Dumpers/Tenders	2	8.00	16	0.38
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Architectural Coating	Air Compressors	1	8.00	78	0.48
Architectural Coating	Dumpers/Tenders	1	8.00	16	0.38
Architectural Coating	Forklifts	1	8.00	89	0.20
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Concrete/Industrial Saws	1	8.00	81	0.73
Paving	Graders	1	8.00	84	0.74
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36

Paving	Plate Compactors	1	8.00	8	0.43
Paving	Rollers	1	8.00	80	0.38
Paving	Surfacing Equipment	1	8.00	263	0.30
Paving	Sweepers/Scrubbers	1	8.00	64	0.46
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2009	0.0000	0.2009	0.0304	0.0000	0.0304			0.0000			0.0000
Off-Road	2.0646	17.7595	18.5775	0.0352		0.8902	0.8902		0.8715	0.8715		3,349.9864	3,349.9864	0.4904		3,362.2472
Total	**2.0646**	**17.7595**	**18.5775**	**0.0352**	**0.2009**	**0.8902**	**1.0911**	**0.0304**	**0.8715**	**0.9020**		**3,349.9864**	**3,349.9864**	**0.4904**		**3,362.2472**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0784	0.0000	0.0784	0.0119	0.0000	0.0119			0.0000			0.0000
Off-Road	0.4449	2.0741	21.2213	0.0352		0.0670	0.0670		0.0670	0.0670	0.0000	3,349.9864	3,349.9864	0.4904		3,362.2472
Total	**0.4449**	**2.0741**	**21.2213**	**0.0352**	**0.0784**	**0.0670**	**0.1454**	**0.0119**	**0.0670**	**0.0789**	**0.0000**	**3,349.9864**	**3,349.9864**	**0.4904**		**3,362.2472**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.3 Utilities/Trenching - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2769	11.8188	10.3405	0.0191		0.6072	0.6072		0.5825	0.5825		1,827.5675	1,827.5675	0.3382		1,836.0224
Total	**1.2769**	**11.8188**	**10.3405**	**0.0191**		**0.6072**	**0.6072**		**0.5825**	**0.5825**		**1,827.5675**	**1,827.5675**	**0.3382**		**1,836.0224**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1402	0.6074	8.6439	0.0191		0.0187	0.0187		0.0187	0.0187	0.0000	1,268.8288	1,268.8288	0.1575		1,272.7659
Total	**0.1402**	**0.6074**	**8.6439**	**0.0191**		**0.0187**	**0.0187**		**0.0187**	**0.0187**	**0.0000**	**1,268.8288**	**1,268.8288**	**0.1575**		**1,272.7659**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.4 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0850	0.0000	0.0850	9.1800e-003	0.0000	9.1800e-003			0.0000			0.0000
Off-Road	0.5722	6.0172	4.8705	0.0114		0.2333	0.2333		0.2146	0.2146		1,105.4182	1,105.4182	0.3575		1,114.3561
Total	**0.5722**	**6.0172**	**4.8705**	**0.0114**	**0.0850**	**0.2333**	**0.3183**	**9.1800e-003**	**0.2146**	**0.2238**		**1,105.4182**	**1,105.4182**	**0.3575**		**1,114.3561**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0331	0.0000	0.0331	3.5800e-003	0.0000	3.5800e-003			0.0000			0.0000
Off-Road	0.1409	0.6104	6.7536	0.0114		0.0188	0.0188		0.0188	0.0188	0.0000	1,105.4182	1,105.4182	0.3575		1,114.3561
Total	**0.1409**	**0.6104**	**6.7536**	**0.0114**	**0.0331**	**0.0188**	**0.0519**	**3.5800e-003**	**0.0188**	**0.0224**	**0.0000**	**1,105.4182**	**1,105.4182**	**0.3575**		**1,114.3561**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.5 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1214	0.0000	0.1214	0.0181	0.0000	0.0181			0.0000			0.0000
Off-Road	2.0171	19.6688	19.4674	0.0388		0.8417	0.8417		0.7787	0.7787		3,702.9598	3,702.9598	1.1561		3,731.8631
Total	**2.0171**	**19.6688**	**19.4674**	**0.0388**	**0.1214**	**0.8417**	**0.9631**	**0.0181**	**0.7787**	**0.7968**		**3,702.9598**	**3,702.9598**	**1.1561**		**3,731.8631**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0473	0.0000	0.0473	7.0400e-003	0.0000	7.0400e-003			0.0000			0.0000
Off-Road	0.6739	3.3680	24.6079	0.0388		0.1141	0.1141		0.1141	0.1141	0.0000	3,702.9598	3,702.9598	1.1561		3,731.8631
Total	**0.6739**	**3.3680**	**24.6079**	**0.0388**	**0.0473**	**0.1141**	**0.1614**	**7.0400e-003**	**0.1141**	**0.1211**	**0.0000**	**3,702.9598**	**3,702.9598**	**1.1561**		**3,731.8631**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.5 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1214	0.0000	0.1214	0.0181	0.0000	0.0181			0.0000			0.0000
Off-Road	1.7843	16.2652	19.2435	0.0388		0.6910	0.6910		0.6401	0.6401		3,703.4681	3,703.4681	1.1563		3,732.3755
Total	**1.7843**	**16.2652**	**19.2435**	**0.0388**	**0.1214**	**0.6910**	**0.8124**	**0.0181**	**0.6401**	**0.6581**		**3,703.4681**	**3,703.4681**	**1.1563**		**3,732.3755**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0473	0.0000	0.0473	7.0400e-003	0.0000	7.0400e-003			0.0000			0.0000
Off-Road	0.6739	3.3678	24.6079	0.0388		0.1139	0.1139		0.1139	0.1139	0.0000	3,703.4681	3,703.4681	1.1563		3,732.3755
Total	**0.6739**	**3.3678**	**24.6079**	**0.0388**	**0.0473**	**0.1139**	**0.1612**	**7.0400e-003**	**0.1139**	**0.1209**	**0.0000**	**3,703.4681**	**3,703.4681**	**1.1563**		**3,732.3755**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.6 Foundations/Concrete Pour - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4009	12.6501	11.8797	0.0225		0.6243	0.6243		0.5976	0.5976		2,128.2794	2,128.2794	0.3932		2,138.1083
Total	**1.4009**	**12.6501**	**11.8797**	**0.0225**		**0.6243**	**0.6243**		**0.5976**	**0.5976**		**2,128.2794**	**2,128.2794**	**0.3932**		**2,138.1083**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3091	1.6320	10.5049	0.0225		0.0564	0.0564		0.0564	0.0564	0.0000	1,569.4491	1,569.4491	0.2124		1,574.7595
Total	**0.3091**	**1.6320**	**10.5049**	**0.0225**		**0.0564**	**0.0564**		**0.0564**	**0.0564**	**0.0000**	**1,569.4491**	**1,569.4491**	**0.2124**		**1,574.7595**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.7 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3499	22.0696	19.5451	0.0442		1.0265	1.0265		0.9801	0.9801		4,223.7051	4,223.7051	0.9012		4,246.2339
Total	**2.3499**	**22.0696**	**19.5451**	**0.0442**		**1.0265**	**1.0265**		**0.9801**	**0.9801**		**4,223.7051**	**4,223.7051**	**0.9012**		**4,246.2339**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1426	4.6165	1.2008	0.0127	0.3201	8.6800e-003	0.3288	0.0922	8.3000e-003	0.1005		1,362.4294	1,362.4294	0.0782		1,364.3841

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4918	2.4238	18.8488	0.0442		0.0807	0.0807		0.0807	0.0807	0.0000	3,106.0444	3,106.0444	0.5397		3,119.5363
Total	**0.4918**	**2.4238**	**18.8488**	**0.0442**		**0.0807**	**0.0807**		**0.0807**	**0.0807**	**0.0000**	**3,106.0444**	**3,106.0444**	**0.5397**		**3,119.5363**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1426	4.6165	1.2008	0.0127	0.3201	8.6800e-003	0.3288	0.0922	8.3000e-003	0.1005		1,362.4294	1,362.4294	0.0782		1,364.3841

3.7 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2080	20.3008	19.3889	0.0443		0.9121	0.9121		0.8705	0.8705		4,225.8629	4,225.8629	0.8944		4,248.2225
Total	**2.2080**	**20.3008**	**19.3889**	**0.0443**		**0.9121**	**0.9121**		**0.8705**	**0.8705**		**4,225.8629**	**4,225.8629**	**0.8944**		**4,248.2225**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1058	3.5028	1.0844	0.0123	0.3201	4.0500e-003	0.3242	0.0922	3.8700e-003	0.0960		1,319.5371	1,319.5371	0.0693		1,321.2692

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4918	2.4238	18.8488	0.0443		0.0807	0.0807		0.0807	0.0807	0.0000	3,108.2244	3,108.2244	0.5329		3,121.5474
Total	**0.4918**	**2.4238**	**18.8488**	**0.0443**		**0.0807**	**0.0807**		**0.0807**	**0.0807**	**0.0000**	**3,108.2244**	**3,108.2244**	**0.5329**		**3,121.5474**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1058	3.5028	1.0844	0.0123	0.3201	4.0500e-003	0.3242	0.0922	3.8700e-003	0.0960		1,319.5371	1,319.5371	0.0693		1,321.2692

3.7 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0910	18.9186	19.2617	0.0443		0.8155	0.8155		0.7778	0.7778		4,227.9894	4,227.9894	0.8905		4,250.2510
Total	**2.0910**	**18.9186**	**19.2617**	**0.0443**		**0.8155**	**0.8155**		**0.7778**	**0.7778**		**4,227.9894**	**4,227.9894**	**0.8905**		**4,250.2510**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1033	3.4895	1.0514	0.0123	0.3201	4.0000e-003	0.3241	0.0922	3.8200e-003	0.0960		1,314.1822	1,314.1822	0.0683		1,315.8896

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4918	2.4238	18.8490	0.0443		0.0805	0.0805		0.0805	0.0805	0.0000	3,110.3747	3,110.3747	0.5290		3,123.5998
Total	**0.4918**	**2.4238**	**18.8490**	**0.0443**		**0.0805**	**0.0805**		**0.0805**	**0.0805**	**0.0000**	**3,110.3747**	**3,110.3747**	**0.5290**		**3,123.5998**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1033	3.4895	1.0514	0.0123	0.3201	4.0000e-003	0.3241	0.0922	3.8200e-003	0.0960		1,314.1822	1,314.1822	0.0683		1,315.8896

3.8 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.1086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4598	3.3974	3.8227	6.2400e-003		0.1962	0.1962		0.1906	0.1906		584.2352	584.2352	0.0789		586.2065
Total	**13.5684**	**3.3974**	**3.8227**	**6.2400e-003**		**0.1962**	**0.1962**		**0.1906**	**0.1906**		**584.2352**	**584.2352**	**0.0789**		**586.2065**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.1086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1319	0.7178	3.8556	6.2400e-003		0.0252	0.0252		0.0252	0.0252	0.0000	584.2352	584.2352	0.0789		586.2065
Total	**13.2405**	**0.7178**	**3.8556**	**6.2400e-003**		**0.0252**	**0.0252**		**0.0252**	**0.0252**	**0.0000**	**584.2352**	**584.2352**	**0.0789**		**586.2065**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.8 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.1086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4315	3.1615	3.8104	6.2400e-003		0.1711	0.1711		0.1664	0.1664		584.2352	584.2352	0.0769		586.1569
Total	**13.5402**	**3.1615**	**3.8104**	**6.2400e-003**		**0.1711**	**0.1711**		**0.1664**	**0.1664**		**584.2352**	**584.2352**	**0.0769**		**586.1569**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.1086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1319	0.7178	3.8556	6.2400e-003		0.0252	0.0252		0.0252	0.0252	0.0000	584.2352	584.2352	0.0769		586.1569
Total	**13.2405**	**0.7178**	**3.8556**	**6.2400e-003**		**0.0252**	**0.0252**		**0.0252**	**0.0252**	**0.0000**	**584.2352**	**584.2352**	**0.0769**		**586.1569**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.8 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.1086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4087	2.9731	3.8037	6.2400e-003		0.1495	0.1495		0.1454	0.1454		584.2352	584.2352	0.0756		586.1239
Total	**13.5173**	**2.9731**	**3.8037**	**6.2400e-003**		**0.1495**	**0.1495**		**0.1454**	**0.1454**		**584.2352**	**584.2352**	**0.0756**		**586.1239**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.1086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1319	0.7178	3.8557	6.2400e-003		0.0251	0.0251		0.0251	0.0251	0.0000	584.2352	584.2352	0.0756		586.1239
Total	**13.2405**	**0.7178**	**3.8557**	**6.2400e-003**		**0.0251**	**0.0251**		**0.0251**	**0.0251**	**0.0000**	**584.2352**	**584.2352**	**0.0756**		**586.1239**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.9 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0435	17.9835	19.3326	0.0328		1.0570	1.0570		0.9835	0.9835		3,146.1520	3,146.1520	0.8475		3,167.3390
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.0435**	**17.9835**	**19.3326**	**0.0328**		**1.0570**	**1.0570**		**0.9835**	**0.9835**		**3,146.1520**	**3,146.1520**	**0.8475**		**3,167.3390**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4545	3.1997	21.7559	0.0328		0.0609	0.0609		0.0609	0.0609	0.0000	3,146.1520	3,146.1520	0.8475		3,167.3390
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.4545**	**3.1997**	**21.7559**	**0.0328**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**3,146.1520**	**3,146.1520**	**0.8475**		**3,167.3390**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Hollywood Center - West - Construction

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	41.60	1000sqft	0.10	41,600.00	0
Enclosed Parking with Elevator	837.00	Space	0.50	432,956.00	0
Other Non-Asphalt Surfaces	22.45	1000sqft	0.10	22,450.00	0
User Defined Parking	5.16	User Defined Unit	0.22	5,163.00	0
City Park	0.79	Acre	0.10	34,205.00	0
Fast Food Restaurant w/o Drive Thru	1.98	1000sqft	0.10	1,983.00	0
High Turnover (Sit Down Restaurant)	11.24	1000sqft	0.10	11,237.00	0
Apartments Mid Rise	68.00	Dwelling Unit	0.20	67,705.00	194
Condo/Townhouse High Rise	449.00	Dwelling Unit	0.50	581,464.00	1284

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2024
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - see construction assumptions

Construction Phase - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions. Jackhammer assumed to be powered by generator set.

Off-road Equipment - see construction assumptions. Jackhammers assumed to be powered by generator set.

Off-road Equipment - see construction assumptions. Jackhammers assumed to be powered by generator.

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Trips and VMT - see construction assumptions

Demolition - 912 CY converted to building square footage.

Grading - see construction assumptions

Woodstoves - see construction assumptions

Construction Off-road Equipment Mitigation - see construction assumptions

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	44,513.00	55,738.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	133,538.00	167,213.00
tblArchitecturalCoating	ConstArea_Parking	27,634.00	26,287.00
tblAreaCoating	Area_Nonresidential_Exterior	44513	45115
tblAreaCoating	Area_Nonresidential_Interior	133538	135344
tblAreaCoating	Area_Parking	27634	26786
tblAreaCoating	Area_Residential_Exterior	438189	437603
tblAreaCoating	Area_Residential_Interior	1314567	1312808
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	398.00
tblConstructionPhase	NumDays	200.00	49.00

tblConstructionPhase	NumDays	200.00	639.00
tblConstructionPhase	NumDays	20.00	49.00
tblConstructionPhase	NumDays	4.00	279.00
tblConstructionPhase	NumDays	10.00	76.00
tblConstructionPhase	NumDays	2.00	24.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	57.80	0.00
tblFireplaces	NumberGas	381.65	0.00
tblFireplaces	NumberNoFireplace	6.80	0.00
tblFireplaces	NumberNoFireplace	44.90	0.00
tblFireplaces	NumberWood	3.40	0.00
tblFireplaces	NumberWood	22.45	0.00
tblGrading	AcresOfGrading	0.00	1.92
tblGrading	AcresOfGrading	0.00	1.92
tblGrading	MaterialExported	0.00	281,370.00
tblLandUse	LandUseSquareFeet	334,800.00	432,956.00
tblLandUse	LandUseSquareFeet	0.00	5,163.00

tblLandUse	LandUseSquareFeet	34,412.40	34,205.00
tblLandUse	LandUseSquareFeet	1,980.00	1,983.00
tblLandUse	LandUseSquareFeet	11,240.00	11,237.00
tblLandUse	LandUseSquareFeet	68,000.00	67,705.00
tblLandUse	LandUseSquareFeet	449,000.00	581,464.00
tblLandUse	LotAcreage	0.96	0.10
tblLandUse	LotAcreage	7.53	0.50
tblLandUse	LotAcreage	0.52	0.10
tblLandUse	LotAcreage	0.00	0.22
tblLandUse	LotAcreage	0.79	0.10
tblLandUse	LotAcreage	0.05	0.10
tblLandUse	LotAcreage	0.26	0.10
tblLandUse	LotAcreage	1.79	0.20
tblLandUse	LotAcreage	7.02	0.50
tblOffRoadEquipment	HorsePower	187.00	84.00
tblOffRoadEquipment	LoadFactor	0.41	0.74
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00

tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	38.69	39.23
tblWater	IndoorWaterUseRate	7,393,723.92	7,496,809.49
tblWater	OutdoorWaterUseRate	941,270.27	953,185.08
tblWater	OutdoorWaterUseRate	4,531,637.24	4,594,818.72
tblWoodstoves	NumberCatalytic	3.40	0.00
tblWoodstoves	NumberCatalytic	22.45	0.00
tblWoodstoves	NumberNoncatalytic	3.40	0.00
tblWoodstoves	NumberNoncatalytic	22.45	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/4/2021	3/1/2021	6	49	
2	Utilities/Trenching	Trenching	1/14/2021	2/3/2021	6	18	
3	Site Preparation	Site Preparation	2/1/2021	2/28/2021	6	24	
4	Grading	Grading	2/11/2021	1/2/2022	6	279	

5	Foundations/Concrete Pour	Building Construction	1/3/2022	2/28/2022	6	49	
6	Building Construction	Building Construction	3/1/2022	3/14/2024	6	639	
7	Architectural Coating	Architectural Coating	10/25/2022	1/31/2024	6	398	
8	Paving	Paving	7/6/2023	10/2/2023	6	76	

Acres of Grading (Site Preparation Phase): 1.923

Acres of Grading (Grading Phase): 1.923

Acres of Paving: 0.823

Residential Indoor: 1,314,567; Residential Outdoor: 438,189; Non-Residential Indoor: 167,213; Non-Residential Outdoor: 55,738; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Air Compressors	1	8.00	78	0.48
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition	Dumpers/Tenders	1	8.00	16	0.38
Demolition	Excavators	1	8.00	158	0.38
Demolition	Generator Sets	1	8.00	84	0.74
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Rubber Tired Loaders	1	8.00	203	0.36
Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Utilities/Trenching	Air Compressors	1	8.00	78	0.48
Utilities/Trenching	Concrete/Industrial Saws	1	8.00	81	0.73
Utilities/Trenching	Cranes	1	8.00	231	0.29
Utilities/Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Excavators	1	8.00	158	0.38
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	0	7.00	247	0.40
Site Preparation	Rubber Tired Loaders	1	8.00	203	0.36
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Dumpers/Tenders	2	8.00	16	0.38

Grading	Excavators	4	8.00	158	0.38
Grading	Graders	0	6.00	187	0.41
Grading	Plate Compactors	2	8.00	8	0.43
Grading	Rubber Tired Dozers	0	6.00	247	0.40
Grading	Rubber Tired Loaders	2	8.00	203	0.36
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Foundations/Concrete Pour	Air Compressors	1	8.00	78	0.48
Foundations/Concrete Pour	Cranes	1	8.00	231	0.29
Foundations/Concrete Pour	Dumpers/Tenders	2	8.00	16	0.38
Foundations/Concrete Pour	Forklifts	1	8.00	89	0.20
Foundations/Concrete Pour	Generator Sets	1	8.00	84	0.74
Foundations/Concrete Pour	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Foundations/Concrete Pour	Welders	0	8.00	46	0.45
Building Construction	Air Compressors	1	8.00	78	0.48
Building Construction	Bore/Drill Rigs	1	8.00	221	0.50
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Dumpers/Tenders	2	8.00	16	0.38
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Architectural Coating	Air Compressors	1	8.00	78	0.48
Architectural Coating	Dumpers/Tenders	1	8.00	16	0.38
Architectural Coating	Forklifts	1	8.00	89	0.20
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Concrete/Industrial Saws	1	8.00	81	0.73
Paving	Graders	1	8.00	84	0.74
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36

Paving	Plate Compactors	1	8.00	8	0.43
Paving	Rollers	1	8.00	80	0.38
Paving	Surfacing Equipment	1	8.00	263	0.30
Paving	Sweepers/Scrubbers	1	8.00	64	0.46
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2009	0.0000	0.2009	0.0304	0.0000	0.0304			0.0000			0.0000
Off-Road	2.0646	17.7595	18.5775	0.0352		0.8902	0.8902		0.8715	0.8715		3,349.9864	3,349.9864	0.4904		3,362.2472
Total	**2.0646**	**17.7595**	**18.5775**	**0.0352**	**0.2009**	**0.8902**	**1.0911**	**0.0304**	**0.8715**	**0.9020**		**3,349.9864**	**3,349.9864**	**0.4904**		**3,362.2472**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0784	0.0000	0.0784	0.0119	0.0000	0.0119			0.0000			0.0000
Off-Road	0.4449	2.0741	21.2213	0.0352		0.0670	0.0670		0.0670	0.0670	0.0000	3,349.9864	3,349.9864	0.4904		3,362.2472
Total	**0.4449**	**2.0741**	**21.2213**	**0.0352**	**0.0784**	**0.0670**	**0.1454**	**0.0119**	**0.0670**	**0.0789**	**0.0000**	**3,349.9864**	**3,349.9864**	**0.4904**		**3,362.2472**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.3 Utilities/Trenching - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2769	11.8188	10.3405	0.0191		0.6072	0.6072		0.5825	0.5825		1,827.5675	1,827.5675	0.3382		1,836.0224
Total	**1.2769**	**11.8188**	**10.3405**	**0.0191**		**0.6072**	**0.6072**		**0.5825**	**0.5825**		**1,827.5675**	**1,827.5675**	**0.3382**		**1,836.0224**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1402	0.6074	8.6439	0.0191		0.0187	0.0187		0.0187	0.0187	0.0000	1,268.8288	1,268.8288	0.1575		1,272.7659
Total	**0.1402**	**0.6074**	**8.6439**	**0.0191**		**0.0187**	**0.0187**		**0.0187**	**0.0187**	**0.0000**	**1,268.8288**	**1,268.8288**	**0.1575**		**1,272.7659**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.4 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0850	0.0000	0.0850	9.1800e-003	0.0000	9.1800e-003			0.0000			0.0000
Off-Road	0.5722	6.0172	4.8705	0.0114		0.2333	0.2333		0.2146	0.2146		1,105.4182	1,105.4182	0.3575		1,114.3561
Total	**0.5722**	**6.0172**	**4.8705**	**0.0114**	**0.0850**	**0.2333**	**0.3183**	**9.1800e-003**	**0.2146**	**0.2238**		**1,105.4182**	**1,105.4182**	**0.3575**		**1,114.3561**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0331	0.0000	0.0331	3.5800e-003	0.0000	3.5800e-003			0.0000			0.0000
Off-Road	0.1409	0.6104	6.7536	0.0114		0.0188	0.0188		0.0188	0.0188	0.0000	1,105.4182	1,105.4182	0.3575		1,114.3561
Total	**0.1409**	**0.6104**	**6.7536**	**0.0114**	**0.0331**	**0.0188**	**0.0519**	**3.5800e-003**	**0.0188**	**0.0224**	**0.0000**	**1,105.4182**	**1,105.4182**	**0.3575**		**1,114.3561**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.5 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1214	0.0000	0.1214	0.0181	0.0000	0.0181			0.0000			0.0000
Off-Road	2.0171	19.6688	19.4674	0.0388		0.8417	0.8417		0.7787	0.7787		3,702.9598	3,702.9598	1.1561		3,731.8631
Total	**2.0171**	**19.6688**	**19.4674**	**0.0388**	**0.1214**	**0.8417**	**0.9631**	**0.0181**	**0.7787**	**0.7968**		**3,702.9598**	**3,702.9598**	**1.1561**		**3,731.8631**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0473	0.0000	0.0473	7.0400e-003	0.0000	7.0400e-003			0.0000			0.0000
Off-Road	0.6739	3.3680	24.6079	0.0388		0.1141	0.1141		0.1141	0.1141	0.0000	3,702.9598	3,702.9598	1.1561		3,731.8631
Total	**0.6739**	**3.3680**	**24.6079**	**0.0388**	**0.0473**	**0.1141**	**0.1614**	**7.0400e-003**	**0.1141**	**0.1211**	**0.0000**	**3,702.9598**	**3,702.9598**	**1.1561**		**3,731.8631**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.5 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1214	0.0000	0.1214	0.0181	0.0000	0.0181			0.0000			0.0000
Off-Road	1.7843	16.2652	19.2435	0.0388		0.6910	0.6910		0.6401	0.6401		3,703.4681	3,703.4681	1.1563		3,732.3755
Total	**1.7843**	**16.2652**	**19.2435**	**0.0388**	**0.1214**	**0.6910**	**0.8124**	**0.0181**	**0.6401**	**0.6581**		**3,703.4681**	**3,703.4681**	**1.1563**		**3,732.3755**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0473	0.0000	0.0473	7.0400e-003	0.0000	7.0400e-003			0.0000			0.0000
Off-Road	0.6739	3.3678	24.6079	0.0388		0.1139	0.1139		0.1139	0.1139	0.0000	3,703.4681	3,703.4681	1.1563		3,732.3755
Total	**0.6739**	**3.3678**	**24.6079**	**0.0388**	**0.0473**	**0.1139**	**0.1612**	**7.0400e-003**	**0.1139**	**0.1209**	**0.0000**	**3,703.4681**	**3,703.4681**	**1.1563**		**3,732.3755**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.6 Foundations/Concrete Pour - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4009	12.6501	11.8797	0.0225		0.6243	0.6243		0.5976	0.5976		2,128.2794	2,128.2794	0.3932		2,138.1083
Total	**1.4009**	**12.6501**	**11.8797**	**0.0225**		**0.6243**	**0.6243**		**0.5976**	**0.5976**		**2,128.2794**	**2,128.2794**	**0.3932**		**2,138.1083**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3091	1.6320	10.5049	0.0225		0.0564	0.0564		0.0564	0.0564	0.0000	1,569.4491	1,569.4491	0.2124		1,574.7595
Total	**0.3091**	**1.6320**	**10.5049**	**0.0225**		**0.0564**	**0.0564**		**0.0564**	**0.0564**	**0.0000**	**1,569.4491**	**1,569.4491**	**0.2124**		**1,574.7595**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.7 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3499	22.0696	19.5451	0.0442		1.0265	1.0265		0.9801	0.9801		4,223.7051	4,223.7051	0.9012		4,246.2339
Total	**2.3499**	**22.0696**	**19.5451**	**0.0442**		**1.0265**	**1.0265**		**0.9801**	**0.9801**		**4,223.7051**	**4,223.7051**	**0.9012**		**4,246.2339**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1498	4.6040	1.3289	0.0124	0.3201	8.9600e-003	0.3291	0.0922	8.5700e-003	0.1007		1,324.8514	1,324.8514	0.0833		1,326.9330

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4918	2.4238	18.8488	0.0442		0.0807	0.0807		0.0807	0.0807	0.0000	3,106.0444	3,106.0444	0.5397		3,119.5363
Total	**0.4918**	**2.4238**	**18.8488**	**0.0442**		**0.0807**	**0.0807**		**0.0807**	**0.0807**	**0.0000**	**3,106.0444**	**3,106.0444**	**0.5397**		**3,119.5363**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1498	4.6040	1.3289	0.0124	0.3201	8.9600e-003	0.3291	0.0922	8.5700e-003	0.1007		1,324.8514	1,324.8514	0.0833		1,326.9330

3.7 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2080	20.3008	19.3889	0.0443		0.9121	0.9121		0.8705	0.8705		4,225.8629	4,225.8629	0.8944		4,248.2225
Total	**2.2080**	**20.3008**	**19.3889**	**0.0443**		**0.9121**	**0.9121**		**0.8705**	**0.8705**		**4,225.8629**	**4,225.8629**	**0.8944**		**4,248.2225**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1113	3.4869	1.1808	0.0120	0.3201	4.2600e-003	0.3244	0.0922	4.0700e-003	0.0962		1,283.7065	1,283.7065	0.0733		1,285.5390

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4918	2.4238	18.8488	0.0443		0.0807	0.0807		0.0807	0.0807	0.0000	3,108.2244	3,108.2244	0.5329		3,121.5474
Total	**0.4918**	**2.4238**	**18.8488**	**0.0443**		**0.0807**	**0.0807**		**0.0807**	**0.0807**	**0.0000**	**3,108.2244**	**3,108.2244**	**0.5329**		**3,121.5474**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1113	3.4869	1.1808	0.0120	0.3201	4.2600e-003	0.3244	0.0922	4.0700e-003	0.0962		1,283.7065	1,283.7065	0.0733		1,285.5390

3.7 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0910	18.9186	19.2617	0.0443		0.8155	0.8155		0.7778	0.7778		4,227.9894	4,227.9894	0.8905		4,250.2510
Total	**2.0910**	**18.9186**	**19.2617**	**0.0443**		**0.8155**	**0.8155**		**0.7778**	**0.7778**		**4,227.9894**	**4,227.9894**	**0.8905**		**4,250.2510**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1085	3.4744	1.1450	0.0119	0.3201	4.1800e-003	0.3243	0.0922	4.0000e-003	0.0962		1,278.7279	1,278.7279	0.0722		1,280.5326

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4918	2.4238	18.8490	0.0443		0.0805	0.0805		0.0805	0.0805	0.0000	3,110.3747	3,110.3747	0.5290		3,123.5998
Total	**0.4918**	**2.4238**	**18.8490**	**0.0443**		**0.0805**	**0.0805**		**0.0805**	**0.0805**	**0.0000**	**3,110.3747**	**3,110.3747**	**0.5290**		**3,123.5998**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1085	3.4744	1.1450	0.0119	0.3201	4.1800e-003	0.3243	0.0922	4.0000e-003	0.0962		1,278.7279	1,278.7279	0.0722		1,280.5326

3.8 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.1086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4598	3.3974	3.8227	6.2400e-003		0.1962	0.1962		0.1906	0.1906		584.2352	584.2352	0.0789		586.2065
Total	**13.5684**	**3.3974**	**3.8227**	**6.2400e-003**		**0.1962**	**0.1962**		**0.1906**	**0.1906**		**584.2352**	**584.2352**	**0.0789**		**586.2065**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.1086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1319	0.7178	3.8556	6.2400e-003		0.0252	0.0252		0.0252	0.0252	0.0000	584.2352	584.2352	0.0789		586.2065
Total	**13.2405**	**0.7178**	**3.8556**	**6.2400e-003**		**0.0252**	**0.0252**		**0.0252**	**0.0252**	**0.0000**	**584.2352**	**584.2352**	**0.0789**		**586.2065**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.8 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.1086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4315	3.1615	3.8104	6.2400e-003		0.1711	0.1711		0.1664	0.1664		584.2352	584.2352	0.0769		586.1569
Total	**13.5402**	**3.1615**	**3.8104**	**6.2400e-003**		**0.1711**	**0.1711**		**0.1664**	**0.1664**		**584.2352**	**584.2352**	**0.0769**		**586.1569**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.1086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1319	0.7178	3.8556	6.2400e-003		0.0252	0.0252		0.0252	0.0252	0.0000	584.2352	584.2352	0.0769		586.1569
Total	**13.2405**	**0.7178**	**3.8556**	**6.2400e-003**		**0.0252**	**0.0252**		**0.0252**	**0.0252**	**0.0000**	**584.2352**	**584.2352**	**0.0769**		**586.1569**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.8 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.1086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4087	2.9731	3.8037	6.2400e-003		0.1495	0.1495		0.1454	0.1454		584.2352	584.2352	0.0756		586.1239
Total	**13.5173**	**2.9731**	**3.8037**	**6.2400e-003**		**0.1495**	**0.1495**		**0.1454**	**0.1454**		**584.2352**	**584.2352**	**0.0756**		**586.1239**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.1086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1319	0.7178	3.8557	6.2400e-003		0.0251	0.0251		0.0251	0.0251	0.0000	584.2352	584.2352	0.0756		586.1239
Total	**13.2405**	**0.7178**	**3.8557**	**6.2400e-003**		**0.0251**	**0.0251**		**0.0251**	**0.0251**	**0.0000**	**584.2352**	**584.2352**	**0.0756**		**586.1239**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.9 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0435	17.9835	19.3326	0.0328		1.0570	1.0570		0.9835	0.9835		3,146.1520	3,146.1520	0.8475		3,167.3390
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.0435**	**17.9835**	**19.3326**	**0.0328**		**1.0570**	**1.0570**		**0.9835**	**0.9835**		**3,146.1520**	**3,146.1520**	**0.8475**		**3,167.3390**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4545	3.1997	21.7559	0.0328		0.0609	0.0609		0.0609	0.0609	0.0000	3,146.1520	3,146.1520	0.8475		3,167.3390
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.4545**	**3.1997**	**21.7559**	**0.0328**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**3,146.1520**	**3,146.1520**	**0.8475**		**3,167.3390**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Hollywood Center - West Site - Pumps

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments High Rise	449.00	Dwelling Unit	0.50	581,000.00	1659

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2024
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - see construction assumptions

Construction Phase - see construction assumptions

Off-road Equipment - see construction assumptions

Trips and VMT - see construction assumptions

Woodstoves - see construction assumptions

Construction Off-road Equipment Mitigation - see construction assumptions

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Residential_Exterior	392175	492589
tblAreaCoating	Area_Residential_Interior	1176525	1477766
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	100.00	1.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	381.65	0.00
tblFireplaces	NumberNoFireplace	44.90	0.00
tblFireplaces	NumberWood	22.45	0.00
tblLandUse	LandUseSquareFeet	449,000.00	581,000.00
tblLandUse	LotAcreage	7.24	0.50
tblLandUse	Population	1,284.00	1,659.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	UsageHours	4.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblSolidWaste	SolidWasteGenerationRate	206.54	266.80
tblWater	IndoorWaterUseRate	29,254,157.50	37,789,334.86
tblWater	OutdoorWaterUseRate	18,442,838.43	23,823,711.11
tblWoodstoves	NumberCatalytic	22.45	0.00
tblWoodstoves	NumberNoncatalytic	22.45	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Foundations/Concrete Pour	Building Construction	1/3/2022	1/3/2022	6	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Foundations/Concrete Pour	Cranes	0	6.00	231	0.29
Foundations/Concrete Pour	Forklifts	0	6.00	89	0.20
Foundations/Concrete Pour	Generator Sets	0	8.00	84	0.74
Foundations/Concrete Pour	Pumps	2	14.00	84	0.74
Foundations/Concrete Pour	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Foundations/Concrete Pour	Welders	0	8.00	46	0.45

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Foundations/Concrete Pour - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2317	10.3909	13.0615	0.0230		0.5449	0.5449		0.5449	0.5449		2,180.6210	2,180.6210	0.1113		2,183.4029
Total	**1.2317**	**10.3909**	**13.0615**	**0.0230**		**0.5449**	**0.5449**		**0.5449**	**0.5449**		**2,180.6210**	**2,180.6210**	**0.1113**		**2,183.4029**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2302	0.9977	14.1973	0.0230		0.0307	0.0307		0.0307	0.0307	0.0000	2,180.6210	2,180.6210	0.1113		2,183.4029
Total	**0.2302**	**0.9977**	**14.1973**	**0.0230**		**0.0307**	**0.0307**		**0.0307**	**0.0307**	**0.0000**	**2,180.6210**	**2,180.6210**	**0.1113**		**2,183.4029**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Hollywood Center - West Site - Pumps

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments High Rise	449.00	Dwelling Unit	0.50	581,000.00	1659

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2024
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - see construction assumptions

Construction Phase - see construction assumptions

Off-road Equipment - see construction assumptions

Trips and VMT - see construction assumptions

Woodstoves - see construction assumptions

Construction Off-road Equipment Mitigation - see construction assumptions

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Residential_Exterior	392175	492589
tblAreaCoating	Area_Residential_Interior	1176525	1477766
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	100.00	1.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	381.65	0.00
tblFireplaces	NumberNoFireplace	44.90	0.00
tblFireplaces	NumberWood	22.45	0.00
tblLandUse	LandUseSquareFeet	449,000.00	581,000.00
tblLandUse	LotAcreage	7.24	0.50
tblLandUse	Population	1,284.00	1,659.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	UsageHours	4.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblSolidWaste	SolidWasteGenerationRate	206.54	266.80
tblWater	IndoorWaterUseRate	29,254,157.50	37,789,334.86
tblWater	OutdoorWaterUseRate	18,442,838.43	23,823,711.11
tblWoodstoves	NumberCatalytic	22.45	0.00
tblWoodstoves	NumberNoncatalytic	22.45	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Foundations/Concrete Pour	Building Construction	1/3/2022	1/3/2022	6	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Foundations/Concrete Pour	Cranes	0	6.00	231	0.29
Foundations/Concrete Pour	Forklifts	0	6.00	89	0.20
Foundations/Concrete Pour	Generator Sets	0	8.00	84	0.74
Foundations/Concrete Pour	Pumps	2	14.00	84	0.74
Foundations/Concrete Pour	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Foundations/Concrete Pour	Welders	0	8.00	46	0.45

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Foundations/Concrete Pour - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2317	10.3909	13.0615	0.0230		0.5449	0.5449		0.5449	0.5449		2,180.6210	2,180.6210	0.1113		2,183.4029
Total	**1.2317**	**10.3909**	**13.0615**	**0.0230**		**0.5449**	**0.5449**		**0.5449**	**0.5449**		**2,180.6210**	**2,180.6210**	**0.1113**		**2,183.4029**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2302	0.9977	14.1973	0.0230		0.0307	0.0307		0.0307	0.0307	0.0000	2,180.6210	2,180.6210	0.1113		2,183.4029
Total	**0.2302**	**0.9977**	**14.1973**	**0.0230**		**0.0307**	**0.0307**		**0.0307**	**0.0307**	**0.0000**	**2,180.6210**	**2,180.6210**	**0.1113**		**2,183.4029**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Hollywood Center-West Site-Drill Rig

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments High Rise	449.00	Dwelling Unit	0.50	581,464.00	1284

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2024
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - see construction assumptions

Construction Phase - see construction assumptions

Off-road Equipment - see construction assumptions

Construction Off-road Equipment Mitigation - see construction assumptions

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	2.00	279.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	1/20/2021	1/2/2022
tblConstructionPhase	PhaseStartDate	1/19/2021	2/11/2021
tblLandUse	LandUseSquareFeet	449,000.00	581,464.00
tblLandUse	LotAcreage	7.24	0.50
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	2/11/2021	1/2/2022	6	279	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Bore/Drill Rigs	1	8.00	221	0.50
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Rubber Tired Dozers	0	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	6.00	97	0.37

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2595	3.0379	2.0843	9.4700e-003		0.0921	0.0921		0.0847	0.0847		916.6227	916.6227	0.2965		924.0341
Total	**0.2595**	**3.0379**	**2.0843**	**9.4700e-003**	**0.0000**	**0.0921**	**0.0921**	**0.0000**	**0.0847**	**0.0847**		**916.6227**	**916.6227**	**0.2965**		**924.0341**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1175	0.5092	4.3090	9.4700e-003		0.0157	0.0157		0.0157	0.0157	0.0000	916.6227	916.6227	0.2965		924.0341
Total	**0.1175**	**0.5092**	**4.3090**	**9.4700e-003**	**0.0000**	**0.0157**	**0.0157**	**0.0000**	**0.0157**	**0.0157**	**0.0000**	**916.6227**	**916.6227**	**0.2965**		**924.0341**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2252	2.2778	2.0514	9.4900e-003		0.0731	0.0731		0.0673	0.0673		918.1286	918.1286	0.2969		925.5522
Total	**0.2252**	**2.2778**	**2.0514**	**9.4900e-003**	**0.0000**	**0.0731**	**0.0731**	**0.0000**	**0.0673**	**0.0673**		**918.1286**	**918.1286**	**0.2969**		**925.5522**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1175	0.5092	4.3090	9.4900e-003		0.0157	0.0157		0.0157	0.0157	0.0000	918.1286	918.1286	0.2969		925.5522
Total	**0.1175**	**0.5092**	**4.3090**	**9.4900e-003**	**0.0000**	**0.0157**	**0.0157**	**0.0000**	**0.0157**	**0.0157**	**0.0000**	**918.1286**	**918.1286**	**0.2969**		**925.5522**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Hollywood Center-West Site-Drill Rig

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments High Rise	449.00	Dwelling Unit	0.50	581,464.00	1284

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2024
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - see construction assumptions

Construction Phase - see construction assumptions

Off-road Equipment - see construction assumptions

Construction Off-road Equipment Mitigation - see construction assumptions

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	2.00	279.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	1/20/2021	1/2/2022
tblConstructionPhase	PhaseStartDate	1/19/2021	2/11/2021
tblLandUse	LandUseSquareFeet	449,000.00	581,464.00
tblLandUse	LotAcreage	7.24	0.50
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	2/11/2021	1/2/2022	6	279	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Bore/Drill Rigs	1	8.00	221	0.50
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Rubber Tired Dozers	0	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	6.00	97	0.37

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2595	3.0379	2.0843	9.4700e-003		0.0921	0.0921		0.0847	0.0847		916.6227	916.6227	0.2965		924.0341
Total	**0.2595**	**3.0379**	**2.0843**	**9.4700e-003**	**0.0000**	**0.0921**	**0.0921**	**0.0000**	**0.0847**	**0.0847**		**916.6227**	**916.6227**	**0.2965**		**924.0341**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1175	0.5092	4.3090	9.4700e-003		0.0157	0.0157		0.0157	0.0157	0.0000	916.6227	916.6227	0.2965		924.0341
Total	**0.1175**	**0.5092**	**4.3090**	**9.4700e-003**	**0.0000**	**0.0157**	**0.0157**	**0.0000**	**0.0157**	**0.0157**	**0.0000**	**916.6227**	**916.6227**	**0.2965**		**924.0341**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2252	2.2778	2.0514	9.4900e-003		0.0731	0.0731		0.0673	0.0673		918.1286	918.1286	0.2969		925.5522
Total	**0.2252**	**2.2778**	**2.0514**	**9.4900e-003**	**0.0000**	**0.0731**	**0.0731**	**0.0000**	**0.0673**	**0.0673**		**918.1286**	**918.1286**	**0.2969**		**925.5522**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1175	0.5092	4.3090	9.4900e-003		0.0157	0.0157		0.0157	0.0157	0.0000	918.1286	918.1286	0.2969		925.5522
Total	**0.1175**	**0.5092**	**4.3090**	**9.4900e-003**	**0.0000**	**0.0157**	**0.0157**	**0.0000**	**0.0157**	**0.0157**	**0.0000**	**918.1286**	**918.1286**	**0.2969**		**925.5522**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Hollywood Center - East Site - Construction

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	32.66	1000sqft	0.10	32,665.00	0
Enclosed Parking with Elevator	684.00	Space	0.80	353,824.00	0
Other Non-Asphalt Surfaces	21.15	1000sqft	0.10	21,150.00	0
User Defined Parking	1.63	User Defined Unit	0.14	1,627.00	0
City Park	0.82	Acre	0.10	35,300.00	0
Fast Food Restaurant w/o Drive Thru	2.73	1000sqft	0.10	2,732.00	0
High Turnover (Sit Down Restaurant)	15.48	1000sqft	0.10	15,482.00	0
Apartments Mid Rise	65.00	Dwelling Unit	0.30	67,149.00	186
Condo/Townhouse High Rise	423.00	Dwelling Unit	0.95	575,100.00	1210

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - For construction, the all residential option was modelled. This is because the difference between this option and the residential/hotel option is negligible. See construction assumptions

Construction Phase - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions. jackhammers are assumed to be powered by generator sets.

Off-road Equipment - see construction assumptions. jackhammers are assumed to be powered by generator sets.

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Trips and VMT - see construction assumptions.

Grading - see construction assumptions.

Woodstoves - see construction assumptions

Construction Off-road Equipment Mitigation - see construction assumptions

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	43,090.00	53,665.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	129,269.00	160,994.00
tblArchitecturalCoating	ConstArea_Parking	22,596.00	21,327.00
tblAreaCoating	Area_Nonresidential_Exterior	43090	43340
tblAreaCoating	Area_Nonresidential_Interior	129269	130019
tblAreaCoating	Area_Parking	22596	22318
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	401.00
tblConstructionPhase	NumDays	220.00	40.00
tblConstructionPhase	NumDays	220.00	726.00
tblConstructionPhase	NumDays	6.00	259.00

tblConstructionPhase	NumDays	10.00	78.00
tblConstructionPhase	NumDays	3.00	27.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	55.25	0.00
tblFireplaces	NumberGas	359.55	0.00
tblFireplaces	NumberNoFireplace	6.50	0.00
tblFireplaces	NumberNoFireplace	42.30	0.00
tblFireplaces	NumberWood	3.25	0.00
tblFireplaces	NumberWood	21.15	0.00
tblGrading	AcresOfGrading	0.00	2.69
tblGrading	AcresOfGrading	0.00	2.69
tblGrading	MaterialExported	0.00	260,930.00
tblGrading	MaterialExported	0.00	704.00
tblLandUse	LandUseSquareFeet	32,660.00	32,665.00
tblLandUse	LandUseSquareFeet	273,600.00	353,824.00
tblLandUse	LandUseSquareFeet	0.00	1,627.00
tblLandUse	LandUseSquareFeet	35,719.20	35,300.00
tblLandUse	LandUseSquareFeet	2,730.00	2,732.00

tblLandUse	LandUseSquareFeet	15,480.00	15,482.00
tblLandUse	LandUseSquareFeet	65,000.00	67,149.00
tblLandUse	LandUseSquareFeet	423,000.00	575,100.00
tblLandUse	LotAcreage	0.75	0.10
tblLandUse	LotAcreage	6.16	0.80
tblLandUse	LotAcreage	0.49	0.10
tblLandUse	LotAcreage	0.00	0.14
tblLandUse	LotAcreage	0.82	0.10
tblLandUse	LotAcreage	0.06	0.10
tblLandUse	LotAcreage	0.36	0.10
tblLandUse	LotAcreage	1.71	0.30
tblLandUse	LotAcreage	6.61	0.95
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00

tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblWoodstoves	NumberCatalytic	3.25	0.00
tblWoodstoves	NumberCatalytic	21.15	0.00
tblWoodstoves	NumberNoncatalytic	3.25	0.00
tblWoodstoves	NumberNoncatalytic	21.15	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	3/1/2022	3/31/2022	6	27	
2	Grading	Grading	3/15/2022	1/10/2023	6	259	
3	Utilities/Trenching	Trenching	3/15/2022	3/27/2022	6	11	
4	Foundations/Concrete Pour	Building Construction	1/11/2023	2/26/2023	6	40	
5	Building Construction	Building Construction	2/27/2023	6/22/2025	6	726	
6	Architectural Coating	Architectural Coating	10/14/2023	1/23/2025	6	401	
7	Paving	Paving	7/12/2024	10/10/2024	6	78	

Acres of Grading (Site Preparation Phase): 2.689

Acres of Grading (Grading Phase): 2.689

Acres of Paving: 1.04

Residential Indoor: 1,300,554; Residential Outdoor: 433,518; Non-Residential Indoor: 160,994; Non-Residential Outdoor: 53,665; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Excavators	1	8.00	158	0.38
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Rubber Tired Loaders	1	8.00	203	0.36
Site Preparation	Scrapers	0	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Grading	Dumpers/Tenders	2	8.00	16	0.38
Grading	Excavators	4	8.00	158	0.38
Grading	Graders	0	8.00	187	0.41
Grading	Plate Compactors	2	8.00	8	0.43
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Rubber Tired Loaders	2	8.00	203	0.36

Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Utilities/Trenching	Air Compressors	1	8.00	78	0.48
Utilities/Trenching	Concrete/Industrial Saws	1	8.00	81	0.73
Utilities/Trenching	Cranes	1	8.00	231	0.29
Utilities/Trenching	Rubber Tired Dozers	0	8.00	247	0.40
Utilities/Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Foundations/Concrete Pour	Air Compressors	1	8.00	78	0.48
Foundations/Concrete Pour	Cranes	1	8.00	231	0.29
Foundations/Concrete Pour	Dumpers/Tenders	1	8.00	16	0.38
Foundations/Concrete Pour	Forklifts	1	8.00	89	0.20
Foundations/Concrete Pour	Generator Sets	1	8.00	84	0.74
Foundations/Concrete Pour	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Foundations/Concrete Pour	Welders	0	8.00	46	0.45
Building Construction	Air Compressors	1	8.00	78	0.48
Building Construction	Bore/Drill Rigs	1	8.00	221	0.50
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Dumpers/Tenders	2	8.00	16	0.38
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Architectural Coating	Air Compressors	1	8.00	78	0.48
Architectural Coating	Dumpers/Tenders	1	8.00	16	0.38
Architectural Coating	Forklifts	1	8.00	89	0.20
Paving	Cement and Mortar Mixers	0	8.00	9	0.56
Paving	Concrete/Industrial Saws	1	8.00	81	0.73
Paving	Graders	1	8.00	187	0.41
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36

Paving	Plate Compactors	1	8.00	8	0.43
Paving	Rollers	1	8.00	80	0.38
Paving	Surfacing Equipment	1	8.00	263	0.30
Paving	Sweepers/Scrubbers	1	8.00	64	0.46
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1086	0.0000	0.1086	0.0119	0.0000	0.0119			0.0000			0.0000
Off-Road	0.4938	4.8020	4.7864	0.0114		0.1874	0.1874		0.1724	0.1724		1,105.6796	1,105.6796	0.3576		1,114.6196
Total	**0.4938**	**4.8020**	**4.7864**	**0.0114**	**0.1086**	**0.1874**	**0.2960**	**0.0119**	**0.1724**	**0.1842**		**1,105.6796**	**1,105.6796**	**0.3576**		**1,114.6196**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0423	0.0000	0.0423	4.6200e-003	0.0000	4.6200e-003			0.0000			0.0000
Off-Road	0.1409	0.6104	6.7536	0.0114		0.0188	0.0188		0.0188	0.0188	0.0000	1,105.6796	1,105.6796	0.3576		1,114.6196
Total	**0.1409**	**0.6104**	**6.7536**	**0.0114**	**0.0423**	**0.0188**	**0.0611**	**4.6200e-003**	**0.0188**	**0.0234**	**0.0000**	**1,105.6796**	**1,105.6796**	**0.3576**		**1,114.6196**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1249	0.0000	0.1249	0.0184	0.0000	0.0184			0.0000			0.0000
Off-Road	1.7843	16.2652	19.2435	0.0388		0.6910	0.6910		0.6401	0.6401		3,703.4681	3,703.4681	1.1563		3,732.3755
Total	**1.7843**	**16.2652**	**19.2435**	**0.0388**	**0.1249**	**0.6910**	**0.8159**	**0.0184**	**0.6401**	**0.6585**		**3,703.4681**	**3,703.4681**	**1.1563**		**3,732.3755**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0487	0.0000	0.0487	7.1900e-003	0.0000	7.1900e-003			0.0000			0.0000
Off-Road	0.6739	3.3678	24.6079	0.0388		0.1139	0.1139		0.1139	0.1139	0.0000	3,703.4681	3,703.4681	1.1563		3,732.3755
Total	**0.6739**	**3.3678**	**24.6079**	**0.0388**	**0.0487**	**0.1139**	**0.1626**	**7.1900e-003**	**0.1139**	**0.1210**	**0.0000**	**3,703.4681**	**3,703.4681**	**1.1563**		**3,732.3755**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1249	0.0000	0.1249	0.0184	0.0000	0.0184			0.0000			0.0000
Off-Road	1.6742	14.4712	19.2045	0.0388		0.6111	0.6111		0.5666	0.5666		3,703.9607	3,703.9607	1.1565		3,732.8721
Total	**1.6742**	**14.4712**	**19.2045**	**0.0388**	**0.1249**	**0.6111**	**0.7360**	**0.0184**	**0.5666**	**0.5850**		**3,703.9607**	**3,703.9607**	**1.1565**		**3,732.8721**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0487	0.0000	0.0487	7.1900e-003	0.0000	7.1900e-003			0.0000			0.0000
Off-Road	0.6739	3.3678	24.6079	0.0388		0.1139	0.1139		0.1139	0.1139	0.0000	3,703.9607	3,703.9607	1.1565		3,732.8721
Total	**0.6739**	**3.3678**	**24.6079**	**0.0388**	**0.0487**	**0.1139**	**0.1626**	**7.1900e-003**	**0.1139**	**0.1210**	**0.0000**	**3,703.9607**	**3,703.9607**	**1.1565**		**3,732.8721**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.4 Utilities/Trenching - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1681	10.5391	10.2131	0.0191		0.5230	0.5230		0.5019	0.5019		1,827.9980	1,827.9980	0.3349		1,836.3711
Total	**1.1681**	**10.5391**	**10.2131**	**0.0191**		**0.5230**	**0.5230**		**0.5019**	**0.5019**		**1,827.9980**	**1,827.9980**	**0.3349**		**1,836.3711**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1402	0.6074	8.6439	0.0191		0.0187	0.0187		0.0187	0.0187	0.0000	1,269.1677	1,269.1677	0.1542		1,273.0224
Total	**0.1402**	**0.6074**	**8.6439**	**0.0191**		**0.0187**	**0.0187**		**0.0187**	**0.0187**	**0.0000**	**1,269.1677**	**1,269.1677**	**0.1542**		**1,273.0224**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.5 Foundations/Concrete Pour - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2402	11.2283	11.5455	0.0217		0.5345	0.5345		0.5110	0.5110		2,067.6655	2,067.6655	0.3826		2,077.2292
Total	**1.2402**	**11.2283**	**11.5455**	**0.0217**		**0.5345**	**0.5345**		**0.5110**	**0.5110**		**2,067.6655**	**2,067.6655**	**0.3826**		**2,077.2292**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2357	1.1675	10.2540	0.0217		0.0390	0.0390		0.0390	0.0390	0.0000	1,508.8463	1,508.8463	0.2018		1,513.8916
Total	**0.2357**	**1.1675**	**10.2540**	**0.0217**		**0.0390**	**0.0390**		**0.0390**	**0.0390**	**0.0000**	**1,508.8463**	**1,508.8463**	**0.2018**		**1,513.8916**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.6 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2080	20.3008	19.3889	0.0443		0.9121	0.9121		0.8705	0.8705		4,225.8629	4,225.8629	0.8944		4,248.2225
Total	**2.2080**	**20.3008**	**19.3889**	**0.0443**		**0.9121**	**0.9121**		**0.8705**	**0.8705**		**4,225.8629**	**4,225.8629**	**0.8944**		**4,248.2225**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1058	3.5028	1.0844	0.0123	0.3201	4.0500e-003	0.3242	0.0922	3.8700e-003	0.0960		1,319.5371	1,319.5371	0.0693		1,321.2692

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4918	2.4238	18.8488	0.0443		0.0807	0.0807		0.0807	0.0807	0.0000	3,108.2244	3,108.2244	0.5329		3,121.5474
Total	**0.4918**	**2.4238**	**18.8488**	**0.0443**		**0.0807**	**0.0807**		**0.0807**	**0.0807**	**0.0000**	**3,108.2244**	**3,108.2244**	**0.5329**		**3,121.5474**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1058	3.5028	1.0844	0.0123	0.3201	4.0500e-003	0.3242	0.0922	3.8700e-003	0.0960		1,319.5371	1,319.5371	0.0693		1,321.2692

3.6 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0910	18.9186	19.2617	0.0443		0.8155	0.8155		0.7778	0.7778		4,227.9894	4,227.9894	0.8905		4,250.2510
Total	**2.0910**	**18.9186**	**19.2617**	**0.0443**		**0.8155**	**0.8155**		**0.7778**	**0.7778**		**4,227.9894**	**4,227.9894**	**0.8905**		**4,250.2510**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1033	3.4895	1.0514	0.0123	0.3201	4.0000e-003	0.3241	0.0922	3.8200e-003	0.0960		1,314.1822	1,314.1822	0.0683		1,315.8896

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4918	2.4238	18.8490	0.0443		0.0805	0.0805		0.0805	0.0805	0.0000	3,110.3747	3,110.3747	0.5290		3,123.5998
Total	**0.4918**	**2.4238**	**18.8490**	**0.0443**		**0.0805**	**0.0805**		**0.0805**	**0.0805**	**0.0000**	**3,110.3747**	**3,110.3747**	**0.5290**		**3,123.5998**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1033	3.4895	1.0514	0.0123	0.3201	4.0000e-003	0.3241	0.0922	3.8200e-003	0.0960		1,314.1822	1,314.1822	0.0683		1,315.8896

3.6 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9812	17.6329	19.1613	0.0443		0.7279	0.7279		0.6936	0.6936		4,228.2032	4,228.2032	0.8855		4,250.3403
Total	**1.9812**	**17.6329**	**19.1613**	**0.0443**		**0.7279**	**0.7279**		**0.6936**	**0.6936**		**4,228.2032**	**4,228.2032**	**0.8855**		**4,250.3403**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1007	3.4599	1.0244	0.0122	0.3201	3.9300e-003	0.3241	0.0922	3.7600e-003	0.0959		1,306.9409	1,306.9409	0.0673		1,308.6244

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4918	2.4238	18.8488	0.0443		0.0805	0.0805		0.0805	0.0805	0.0000	3,110.5507	3,110.5507	0.5240		3,123.6511
Total	**0.4918**	**2.4238**	**18.8488**	**0.0443**		**0.0805**	**0.0805**		**0.0805**	**0.0805**	**0.0000**	**3,110.5507**	**3,110.5507**	**0.5240**		**3,123.6511**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1007	3.4599	1.0244	0.0122	0.3201	3.9300e-003	0.3241	0.0922	3.7600e-003	0.0959		1,306.9409	1,306.9409	0.0673		1,308.6244

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.7494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4315	3.1615	3.8104	6.2400e-003		0.1711	0.1711		0.1664	0.1664		584.2352	584.2352	0.0769		586.1569
Total	**13.1809**	**3.1615**	**3.8104**	**6.2400e-003**		**0.1711**	**0.1711**		**0.1664**	**0.1664**		**584.2352**	**584.2352**	**0.0769**		**586.1569**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.7494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1319	0.7178	3.8556	6.2400e-003		0.0252	0.0252		0.0252	0.0252	0.0000	584.2352	584.2352	0.0769		586.1569
Total	**12.8813**	**0.7178**	**3.8556**	**6.2400e-003**		**0.0252**	**0.0252**		**0.0252**	**0.0252**	**0.0000**	**584.2352**	**584.2352**	**0.0769**		**586.1569**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.7494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4087	2.9731	3.8037	6.2400e-003		0.1495	0.1495		0.1454	0.1454		584.2352	584.2352	0.0756		586.1239
Total	**13.1581**	**2.9731**	**3.8037**	**6.2400e-003**		**0.1495**	**0.1495**		**0.1454**	**0.1454**		**584.2352**	**584.2352**	**0.0756**		**586.1239**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.7494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1319	0.7178	3.8557	6.2400e-003		0.0251	0.0251		0.0251	0.0251	0.0000	584.2352	584.2352	0.0756		586.1239
Total	**12.8813**	**0.7178**	**3.8557**	**6.2400e-003**		**0.0251**	**0.0251**		**0.0251**	**0.0251**	**0.0000**	**584.2352**	**584.2352**	**0.0756**		**586.1239**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.7 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.7494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3882	2.8104	3.7968	6.2400e-003		0.1298	0.1298		0.1263	0.1263		584.2352	584.2352	0.0749		586.1074
Total	**13.1376**	**2.8104**	**3.7968**	**6.2400e-003**		**0.1298**	**0.1298**		**0.1263**	**0.1263**		**584.2352**	**584.2352**	**0.0749**		**586.1074**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.7494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1319	0.7178	3.8556	6.2400e-003		0.0251	0.0251		0.0251	0.0251	0.0000	584.2352	584.2352	0.0749		586.1074
Total	**12.8813**	**0.7178**	**3.8556**	**6.2400e-003**		**0.0251**	**0.0251**		**0.0251**	**0.0251**	**0.0000**	**584.2352**	**584.2352**	**0.0749**		**586.1074**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.8 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5602	15.2487	16.3722	0.0341		0.6650	0.6650		0.6214	0.6214		3,271.9845	3,271.9845	0.8871		3,294.1628
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.5602**	**15.2487**	**16.3722**	**0.0341**		**0.6650**	**0.6650**		**0.6214**	**0.6214**		**3,271.9845**	**3,271.9845**	**0.8871**		**3,294.1628**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4699	3.2662	20.6744	0.0341		0.0629	0.0629		0.0629	0.0629	0.0000	3,271.9845	3,271.9845	0.8871		3,294.1628
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.4699**	**3.2662**	**20.6744**	**0.0341**		**0.0629**	**0.0629**		**0.0629**	**0.0629**	**0.0000**	**3,271.9845**	**3,271.9845**	**0.8871**		**3,294.1628**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Hollywood Center - East Site - Construction

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	32.66	1000sqft	0.10	32,665.00	0
Enclosed Parking with Elevator	684.00	Space	0.80	353,824.00	0
Other Non-Asphalt Surfaces	21.15	1000sqft	0.10	21,150.00	0
User Defined Parking	1.63	User Defined Unit	0.14	1,627.00	0
City Park	0.82	Acre	0.10	35,300.00	0
Fast Food Restaurant w/o Drive Thru	2.73	1000sqft	0.10	2,732.00	0
High Turnover (Sit Down Restaurant)	15.48	1000sqft	0.10	15,482.00	0
Apartments Mid Rise	65.00	Dwelling Unit	0.30	67,149.00	186
Condo/Townhouse High Rise	423.00	Dwelling Unit	0.95	575,100.00	1210

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - For construction, the all residential option was modelled. This is because the difference between this option and the residential/hotel option is negligible. See construction assumptions

Construction Phase - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions. jackhammers are assumed to be powered by generator sets.

Off-road Equipment - see construction assumptions. jackhammers are assumed to be powered by generator sets.

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Trips and VMT - see construction assumptions.

Grading - see construction assumptions.

Woodstoves - see construction assumptions

Construction Off-road Equipment Mitigation - see construction assumptions

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	43,090.00	53,665.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	129,269.00	160,994.00
tblArchitecturalCoating	ConstArea_Parking	22,596.00	21,327.00
tblAreaCoating	Area_Nonresidential_Exterior	43090	43340
tblAreaCoating	Area_Nonresidential_Interior	129269	130019
tblAreaCoating	Area_Parking	22596	22318
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	401.00
tblConstructionPhase	NumDays	220.00	40.00
tblConstructionPhase	NumDays	220.00	726.00
tblConstructionPhase	NumDays	6.00	259.00

tblConstructionPhase	NumDays	10.00	78.00
tblConstructionPhase	NumDays	3.00	27.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	55.25	0.00
tblFireplaces	NumberGas	359.55	0.00
tblFireplaces	NumberNoFireplace	6.50	0.00
tblFireplaces	NumberNoFireplace	42.30	0.00
tblFireplaces	NumberWood	3.25	0.00
tblFireplaces	NumberWood	21.15	0.00
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tblGrading	AcresOfGrading	0.00	2.69
tblGrading	MaterialExported	0.00	260,930.00
tblGrading	MaterialExported	0.00	704.00
tblLandUse	LandUseSquareFeet	32,660.00	32,665.00
tblLandUse	LandUseSquareFeet	273,600.00	353,824.00
tblLandUse	LandUseSquareFeet	0.00	1,627.00
tblLandUse	LandUseSquareFeet	35,719.20	35,300.00
tblLandUse	LandUseSquareFeet	2,730.00	2,732.00

tblLandUse	LandUseSquareFeet	15,480.00	15,482.00
tblLandUse	LandUseSquareFeet	65,000.00	67,149.00
tblLandUse	LandUseSquareFeet	423,000.00	575,100.00
tblLandUse	LotAcreage	0.75	0.10
tblLandUse	LotAcreage	6.16	0.80
tblLandUse	LotAcreage	0.49	0.10
tblLandUse	LotAcreage	0.00	0.14
tblLandUse	LotAcreage	0.82	0.10
tblLandUse	LotAcreage	0.06	0.10
tblLandUse	LotAcreage	0.36	0.10
tblLandUse	LotAcreage	1.71	0.30
tblLandUse	LotAcreage	6.61	0.95
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00

tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblWoodstoves	NumberCatalytic	3.25	0.00
tblWoodstoves	NumberCatalytic	21.15	0.00
tblWoodstoves	NumberNoncatalytic	3.25	0.00
tblWoodstoves	NumberNoncatalytic	21.15	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	3/1/2022	3/31/2022	6	27	
2	Grading	Grading	3/15/2022	1/10/2023	6	259	
3	Utilities/Trenching	Trenching	3/15/2022	3/27/2022	6	11	
4	Foundations/Concrete Pour	Building Construction	1/11/2023	2/26/2023	6	40	
5	Building Construction	Building Construction	2/27/2023	6/22/2025	6	726	
6	Architectural Coating	Architectural Coating	10/14/2023	1/23/2025	6	401	
7	Paving	Paving	7/12/2024	10/10/2024	6	78	

Acres of Grading (Site Preparation Phase): 2.689

Acres of Grading (Grading Phase): 2.689

Acres of Paving: 1.04

Residential Indoor: 1,300,554; Residential Outdoor: 433,518; Non-Residential Indoor: 160,994; Non-Residential Outdoor: 53,665; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Excavators	1	8.00	158	0.38
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Rubber Tired Loaders	1	8.00	203	0.36
Site Preparation	Scrapers	0	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Grading	Dumpers/Tenders	2	8.00	16	0.38
Grading	Excavators	4	8.00	158	0.38
Grading	Graders	0	8.00	187	0.41
Grading	Plate Compactors	2	8.00	8	0.43
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Rubber Tired Loaders	2	8.00	203	0.36
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Utilities/Trenching	Air Compressors	1	8.00	78	0.48
Utilities/Trenching	Concrete/Industrial Saws	1	8.00	81	0.73
Utilities/Trenching	Cranes	1	8.00	231	0.29
Utilities/Trenching	Rubber Tired Dozers	0	8.00	247	0.40
Utilities/Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Foundations/Concrete Pour	Air Compressors	1	8.00	78	0.48
Foundations/Concrete Pour	Cranes	1	8.00	231	0.29
Foundations/Concrete Pour	Dumpers/Tenders	1	8.00	16	0.38
Foundations/Concrete Pour	Forklifts	1	8.00	89	0.20
Foundations/Concrete Pour	Generator Sets	1	8.00	84	0.74
Foundations/Concrete Pour	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Foundations/Concrete Pour	Welders	0	8.00	46	0.45
Building Construction	Air Compressors	1	8.00	78	0.48
Building Construction	Bore/Drill Rigs	1	8.00	221	0.50
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Dumpers/Tenders	2	8.00	16	0.38

Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Architectural Coating	Air Compressors	1	8.00	78	0.48
Architectural Coating	Dumpers/Tenders	1	8.00	16	0.38
Architectural Coating	Forklifts	1	8.00	89	0.20
Paving	Cement and Mortar Mixers	0	8.00	9	0.56
Paving	Concrete/Industrial Saws	1	8.00	81	0.73
Paving	Graders	1	8.00	187	0.41
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Plate Compactors	1	8.00	8	0.43
Paving	Rollers	1	8.00	80	0.38
Paving	Surfacing Equipment	1	8.00	263	0.30
Paving	Sweepers/Scrubbers	1	8.00	64	0.46
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1086	0.0000	0.1086	0.0119	0.0000	0.0119			0.0000			0.0000
Off-Road	0.4938	4.8020	4.7864	0.0114		0.1874	0.1874		0.1724	0.1724		1,105.6796	1,105.6796	0.3576		1,114.6196
Total	**0.4938**	**4.8020**	**4.7864**	**0.0114**	**0.1086**	**0.1874**	**0.2960**	**0.0119**	**0.1724**	**0.1842**		**1,105.6796**	**1,105.6796**	**0.3576**		**1,114.6196**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0423	0.0000	0.0423	4.6200e-003	0.0000	4.6200e-003			0.0000			0.0000
Off-Road	0.1409	0.6104	6.7536	0.0114		0.0188	0.0188		0.0188	0.0188	0.0000	1,105.6796	1,105.6796	0.3576		1,114.6196
Total	**0.1409**	**0.6104**	**6.7536**	**0.0114**	**0.0423**	**0.0188**	**0.0611**	**4.6200e-003**	**0.0188**	**0.0234**	**0.0000**	**1,105.6796**	**1,105.6796**	**0.3576**		**1,114.6196**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1249	0.0000	0.1249	0.0184	0.0000	0.0184			0.0000			0.0000
Off-Road	1.7843	16.2652	19.2435	0.0388		0.6910	0.6910		0.6401	0.6401		3,703.4681	3,703.4681	1.1563		3,732.3755
Total	**1.7843**	**16.2652**	**19.2435**	**0.0388**	**0.1249**	**0.6910**	**0.8159**	**0.0184**	**0.6401**	**0.6585**		**3,703.4681**	**3,703.4681**	**1.1563**		**3,732.3755**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0487	0.0000	0.0487	7.1900e-003	0.0000	7.1900e-003			0.0000			0.0000
Off-Road	0.6739	3.3678	24.6079	0.0388		0.1139	0.1139		0.1139	0.1139	0.0000	3,703.4681	3,703.4681	1.1563		3,732.3755
Total	**0.6739**	**3.3678**	**24.6079**	**0.0388**	**0.0487**	**0.1139**	**0.1626**	**7.1900e-003**	**0.1139**	**0.1210**	**0.0000**	**3,703.4681**	**3,703.4681**	**1.1563**		**3,732.3755**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1249	0.0000	0.1249	0.0184	0.0000	0.0184			0.0000			0.0000
Off-Road	1.6742	14.4712	19.2045	0.0388		0.6111	0.6111		0.5666	0.5666		3,703.9607	3,703.9607	1.1565		3,732.8721
Total	**1.6742**	**14.4712**	**19.2045**	**0.0388**	**0.1249**	**0.6111**	**0.7360**	**0.0184**	**0.5666**	**0.5850**		**3,703.9607**	**3,703.9607**	**1.1565**		**3,732.8721**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0487	0.0000	0.0487	7.1900e-003	0.0000	7.1900e-003			0.0000			0.0000
Off-Road	0.6739	3.3678	24.6079	0.0388		0.1139	0.1139		0.1139	0.1139	0.0000	3,703.9607	3,703.9607	1.1565		3,732.8721
Total	**0.6739**	**3.3678**	**24.6079**	**0.0388**	**0.0487**	**0.1139**	**0.1626**	**7.1900e-003**	**0.1139**	**0.1210**	**0.0000**	**3,703.9607**	**3,703.9607**	**1.1565**		**3,732.8721**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.4 Utilities/Trenching - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1681	10.5391	10.2131	0.0191		0.5230	0.5230		0.5019	0.5019		1,827.9980	1,827.9980	0.3349		1,836.3711
Total	**1.1681**	**10.5391**	**10.2131**	**0.0191**		**0.5230**	**0.5230**		**0.5019**	**0.5019**		**1,827.9980**	**1,827.9980**	**0.3349**		**1,836.3711**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1402	0.6074	8.6439	0.0191		0.0187	0.0187		0.0187	0.0187	0.0000	1,269.1677	1,269.1677	0.1542		1,273.0224
Total	**0.1402**	**0.6074**	**8.6439**	**0.0191**		**0.0187**	**0.0187**		**0.0187**	**0.0187**	**0.0000**	**1,269.1677**	**1,269.1677**	**0.1542**		**1,273.0224**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.5 Foundations/Concrete Pour - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2402	11.2283	11.5455	0.0217		0.5345	0.5345		0.5110	0.5110		2,067.6655	2,067.6655	0.3826		2,077.2292
Total	**1.2402**	**11.2283**	**11.5455**	**0.0217**		**0.5345**	**0.5345**		**0.5110**	**0.5110**		**2,067.6655**	**2,067.6655**	**0.3826**		**2,077.2292**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2357	1.1675	10.2540	0.0217		0.0390	0.0390		0.0390	0.0390	0.0000	1,508.8463	1,508.8463	0.2018		1,513.8916
Total	**0.2357**	**1.1675**	**10.2540**	**0.0217**		**0.0390**	**0.0390**		**0.0390**	**0.0390**	**0.0000**	**1,508.8463**	**1,508.8463**	**0.2018**		**1,513.8916**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.6 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2080	20.3008	19.3889	0.0443		0.9121	0.9121		0.8705	0.8705		4,225.8629	4,225.8629	0.8944		4,248.2225
Total	**2.2080**	**20.3008**	**19.3889**	**0.0443**		**0.9121**	**0.9121**		**0.8705**	**0.8705**		**4,225.8629**	**4,225.8629**	**0.8944**		**4,248.2225**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1113	3.4869	1.1808	0.0120	0.3201	4.2600e-003	0.3244	0.0922	4.0700e-003	0.0962		1,283.7065	1,283.7065	0.0733		1,285.5390

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4918	2.4238	18.8488	0.0443		0.0807	0.0807		0.0807	0.0807	0.0000	3,108.2244	3,108.2244	0.5329		3,121.5474
Total	**0.4918**	**2.4238**	**18.8488**	**0.0443**		**0.0807**	**0.0807**		**0.0807**	**0.0807**	**0.0000**	**3,108.2244**	**3,108.2244**	**0.5329**		**3,121.5474**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1113	3.4869	1.1808	0.0120	0.3201	4.2600e-003	0.3244	0.0922	4.0700e-003	0.0962		1,283.7065	1,283.7065	0.0733		1,285.5390

3.6 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0910	18.9186	19.2617	0.0443		0.8155	0.8155		0.7778	0.7778		4,227.9894	4,227.9894	0.8905		4,250.2510
Total	**2.0910**	**18.9186**	**19.2617**	**0.0443**		**0.8155**	**0.8155**		**0.7778**	**0.7778**		**4,227.9894**	**4,227.9894**	**0.8905**		**4,250.2510**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1085	3.4744	1.1450	0.0119	0.3201	4.1800e-003	0.3243	0.0922	4.0000e-003	0.0962		1,278.7279	1,278.7279	0.0722		1,280.5326

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4918	2.4238	18.8490	0.0443		0.0805	0.0805		0.0805	0.0805	0.0000	3,110.3747	3,110.3747	0.5290		3,123.5998
Total	**0.4918**	**2.4238**	**18.8490**	**0.0443**		**0.0805**	**0.0805**		**0.0805**	**0.0805**	**0.0000**	**3,110.3747**	**3,110.3747**	**0.5290**		**3,123.5998**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1085	3.4744	1.1450	0.0119	0.3201	4.1800e-003	0.3243	0.0922	4.0000e-003	0.0962		1,278.7279	1,278.7279	0.0722		1,280.5326

3.6 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9812	17.6329	19.1613	0.0443		0.7279	0.7279		0.6936	0.6936		4,228.2032	4,228.2032	0.8855		4,250.3403
Total	**1.9812**	**17.6329**	**19.1613**	**0.0443**		**0.7279**	**0.7279**		**0.6936**	**0.6936**		**4,228.2032**	**4,228.2032**	**0.8855**		**4,250.3403**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1058	3.4450	1.1158	0.0119	0.3201	4.1000e-003	0.3242	0.0922	3.9200e-003	0.0961		1,271.8712	1,271.8712	0.0711		1,273.6488

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4918	2.4238	18.8488	0.0443		0.0805	0.0805		0.0805	0.0805	0.0000	3,110.5507	3,110.5507	0.5240		3,123.6511
Total	**0.4918**	**2.4238**	**18.8488**	**0.0443**		**0.0805**	**0.0805**		**0.0805**	**0.0805**	**0.0000**	**3,110.5507**	**3,110.5507**	**0.5240**		**3,123.6511**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1058	3.4450	1.1158	0.0119	0.3201	4.1000e-003	0.3242	0.0922	3.9200e-003	0.0961		1,271.8712	1,271.8712	0.0711		1,273.6488

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.7494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4315	3.1615	3.8104	6.2400e-003		0.1711	0.1711		0.1664	0.1664		584.2352	584.2352	0.0769		586.1569
Total	**13.1809**	**3.1615**	**3.8104**	**6.2400e-003**		**0.1711**	**0.1711**		**0.1664**	**0.1664**		**584.2352**	**584.2352**	**0.0769**		**586.1569**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.7494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1319	0.7178	3.8556	6.2400e-003		0.0252	0.0252		0.0252	0.0252	0.0000	584.2352	584.2352	0.0769		586.1569
Total	**12.8813**	**0.7178**	**3.8556**	**6.2400e-003**		**0.0252**	**0.0252**		**0.0252**	**0.0252**	**0.0000**	**584.2352**	**584.2352**	**0.0769**		**586.1569**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.7494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.4087	2.9731	3.8037	6.2400e-003		0.1495	0.1495		0.1454	0.1454		584.2352	584.2352	0.0756		586.1239
Total	**13.1581**	**2.9731**	**3.8037**	**6.2400e-003**		**0.1495**	**0.1495**		**0.1454**	**0.1454**		**584.2352**	**584.2352**	**0.0756**		**586.1239**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.7494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1319	0.7178	3.8557	6.2400e-003		0.0251	0.0251		0.0251	0.0251	0.0000	584.2352	584.2352	0.0756		586.1239
Total	**12.8813**	**0.7178**	**3.8557**	**6.2400e-003**		**0.0251**	**0.0251**		**0.0251**	**0.0251**	**0.0000**	**584.2352**	**584.2352**	**0.0756**		**586.1239**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.7 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.7494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3882	2.8104	3.7968	6.2400e-003		0.1298	0.1298		0.1263	0.1263		584.2352	584.2352	0.0749		586.1074
Total	**13.1376**	**2.8104**	**3.7968**	**6.2400e-003**		**0.1298**	**0.1298**		**0.1263**	**0.1263**		**584.2352**	**584.2352**	**0.0749**		**586.1074**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.7494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1319	0.7178	3.8556	6.2400e-003		0.0251	0.0251		0.0251	0.0251	0.0000	584.2352	584.2352	0.0749		586.1074
Total	**12.8813**	**0.7178**	**3.8556**	**6.2400e-003**		**0.0251**	**0.0251**		**0.0251**	**0.0251**	**0.0000**	**584.2352**	**584.2352**	**0.0749**		**586.1074**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.8 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5602	15.2487	16.3722	0.0341		0.6650	0.6650		0.6214	0.6214		3,271.9845	3,271.9845	0.8871		3,294.1628
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.5602**	**15.2487**	**16.3722**	**0.0341**		**0.6650**	**0.6650**		**0.6214**	**0.6214**		**3,271.9845**	**3,271.9845**	**0.8871**		**3,294.1628**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4699	3.2662	20.6744	0.0341		0.0629	0.0629		0.0629	0.0629	0.0000	3,271.9845	3,271.9845	0.8871		3,294.1628
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.4699**	**3.2662**	**20.6744**	**0.0341**		**0.0629**	**0.0629**		**0.0629**	**0.0629**	**0.0000**	**3,271.9845**	**3,271.9845**	**0.8871**		**3,294.1628**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Hollywood Center - East Site - Pumps

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments High Rise	423.00	Dwelling Unit	0.85	575,100.00	1181

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - see construction assumptions

Construction Phase - see construction assumptions

Off-road Equipment - see construction assumptions

Trips and VMT - see construction assumptions

Woodstoves - see construction assumptions

Construction Off-road Equipment Mitigation - see construction assumptions

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Residential_Exterior	388193	370188
tblAreaCoating	Area_Residential_Interior	1164578	1110563
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	100.00	1.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	359.55	0.00
tblFireplaces	NumberNoFireplace	42.30	0.00
tblFireplaces	NumberWood	21.15	0.00
tblLandUse	LandUseSquareFeet	423,000.00	575,100.00
tblLandUse	LotAcreage	6.82	0.85
tblLandUse	Population	1,210.00	1,181.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	UsageHours	4.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblSolidWaste	SolidWasteGenerationRate	194.58	189.98
tblWater	IndoorWaterUseRate	27,560,152.84	26,908,612.58
tblWater	OutdoorWaterUseRate	17,374,878.96	16,964,125.32
tblWoodstoves	NumberCatalytic	21.15	0.00
tblWoodstoves	NumberNoncatalytic	21.15	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Foundations/Concrete Pour	Building Construction	1/11/2023	1/11/2023	6	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Foundations/Concrete Pour	Cranes	0	6.00	231	0.29
Foundations/Concrete Pour	Forklifts	0	6.00	89	0.20
Foundations/Concrete Pour	Generator Sets	0	8.00	84	0.74
Foundations/Concrete Pour	Pumps	2	11.00	84	0.74
Foundations/Concrete Pour	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Foundations/Concrete Pour	Welders	0	8.00	46	0.45

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Foundations/Concrete Pour - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9014	7.5703	10.2445	0.0181		0.3708	0.3708		0.3708	0.3708		1,713.3451	1,713.3451	0.0784		1,715.3047
Total	**0.9014**	**7.5703**	**10.2445**	**0.0181**		**0.3708**	**0.3708**		**0.3708**	**0.3708**		**1,713.3451**	**1,713.3451**	**0.0784**		**1,715.3047**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1809	0.7839	11.1550	0.0181		0.0241	0.0241		0.0241	0.0241	0.0000	1,713.3451	1,713.3451	0.0784		1,715.3047
Total	**0.1809**	**0.7839**	**11.1550**	**0.0181**		**0.0241**	**0.0241**		**0.0241**	**0.0241**	**0.0000**	**1,713.3451**	**1,713.3451**	**0.0784**		**1,715.3047**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Hollywood Center - East Site - Pumps

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments High Rise	423.00	Dwelling Unit	0.85	575,100.00	1181

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - see construction assumptions

Construction Phase - see construction assumptions

Off-road Equipment - see construction assumptions

Trips and VMT - see construction assumptions

Woodstoves - see construction assumptions

Construction Off-road Equipment Mitigation - see construction assumptions

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Residential_Exterior	388193	370188
tblAreaCoating	Area_Residential_Interior	1164578	1110563
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	100.00	1.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	359.55	0.00
tblFireplaces	NumberNoFireplace	42.30	0.00
tblFireplaces	NumberWood	21.15	0.00
tblLandUse	LandUseSquareFeet	423,000.00	575,100.00
tblLandUse	LotAcreage	6.82	0.85
tblLandUse	Population	1,210.00	1,181.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	UsageHours	4.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblSolidWaste	SolidWasteGenerationRate	194.58	189.98
tblWater	IndoorWaterUseRate	27,560,152.84	26,908,612.58
tblWater	OutdoorWaterUseRate	17,374,878.96	16,964,125.32
tblWoodstoves	NumberCatalytic	21.15	0.00
tblWoodstoves	NumberNoncatalytic	21.15	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Foundations/Concrete Pour	Building Construction	1/11/2023	1/11/2023	6	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Foundations/Concrete Pour	Cranes	0	6.00	231	0.29
Foundations/Concrete Pour	Forklifts	0	6.00	89	0.20
Foundations/Concrete Pour	Generator Sets	0	8.00	84	0.74
Foundations/Concrete Pour	Pumps	2	11.00	84	0.74
Foundations/Concrete Pour	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Foundations/Concrete Pour	Welders	0	8.00	46	0.45

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Foundations/Concrete Pour - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9014	7.5703	10.2445	0.0181		0.3708	0.3708		0.3708	0.3708		1,713.3451	1,713.3451	0.0784		1,715.3047
Total	**0.9014**	**7.5703**	**10.2445**	**0.0181**		**0.3708**	**0.3708**		**0.3708**	**0.3708**		**1,713.3451**	**1,713.3451**	**0.0784**		**1,715.3047**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1809	0.7839	11.1550	0.0181		0.0241	0.0241		0.0241	0.0241	0.0000	1,713.3451	1,713.3451	0.0784		1,715.3047
Total	**0.1809**	**0.7839**	**11.1550**	**0.0181**		**0.0241**	**0.0241**		**0.0241**	**0.0241**	**0.0000**	**1,713.3451**	**1,713.3451**	**0.0784**		**1,715.3047**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Construction-East Site-Drill Rig

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments High Rise	423.00	Dwelling Unit	0.95	575,100.00	1210

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - see construction assumptions

Construction Phase - see construction assumptions

Off-road Equipment - see construction assumptions

Construction Off-road Equipment Mitigation - see construction assumptions

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	2.00	259.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	3/17/2022	1/10/2023
tblConstructionPhase	PhaseStartDate	3/16/2022	3/15/2022
tblLandUse	LandUseSquareFeet	423,000.00	575,100.00
tblLandUse	LotAcreage	6.82	0.95
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	3/15/2022	1/10/2023	6	259	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Bore/Drill Rigs	1	8.00	221	0.50
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Rubber Tired Dozers	0	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	6.00	97	0.37

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2252	2.2778	2.0514	9.4900e-003		0.0731	0.0731		0.0673	0.0673		918.1286	918.1286	0.2969		925.5522
Total	**0.2252**	**2.2778**	**2.0514**	**9.4900e-003**	**0.0000**	**0.0731**	**0.0731**	**0.0000**	**0.0673**	**0.0673**		**918.1286**	**918.1286**	**0.2969**		**925.5522**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1175	0.5092	4.3090	9.4900e-003		0.0157	0.0157		0.0157	0.0157	0.0000	918.1286	918.1286	0.2969		925.5522
Total	**0.1175**	**0.5092**	**4.3090**	**9.4900e-003**	**0.0000**	**0.0157**	**0.0157**	**0.0000**	**0.0157**	**0.0157**	**0.0000**	**918.1286**	**918.1286**	**0.2969**		**925.5522**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.2 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2162	2.0498	2.0430	9.5100e-003		0.0664	0.0664		0.0611	0.0611		919.9803	919.9803	0.2975		927.4188
Total	**0.2162**	**2.0498**	**2.0430**	**9.5100e-003**	**0.0000**	**0.0664**	**0.0664**	**0.0000**	**0.0611**	**0.0611**		**919.9803**	**919.9803**	**0.2975**		**927.4188**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1175	0.5092	4.3090	9.5100e-003		0.0157	0.0157		0.0157	0.0157	0.0000	919.9803	919.9803	0.2975		927.4188
Total	**0.1175**	**0.5092**	**4.3090**	**9.5100e-003**	**0.0000**	**0.0157**	**0.0157**	**0.0000**	**0.0157**	**0.0157**	**0.0000**	**919.9803**	**919.9803**	**0.2975**		**927.4188**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Construction-East Site-Drill Rig

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments High Rise	423.00	Dwelling Unit	0.95	575,100.00	1210

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - see construction assumptions

Construction Phase - see construction assumptions

Off-road Equipment - see construction assumptions

Construction Off-road Equipment Mitigation - see construction assumptions

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	2.00	259.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	3/17/2022	1/10/2023
tblConstructionPhase	PhaseStartDate	3/16/2022	3/15/2022
tblLandUse	LandUseSquareFeet	423,000.00	575,100.00
tblLandUse	LotAcreage	6.82	0.95
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	3/15/2022	1/10/2023	6	259	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Bore/Drill Rigs	1	8.00	221	0.50
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Rubber Tired Dozers	0	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	6.00	97	0.37

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2252	2.2778	2.0514	9.4900e-003		0.0731	0.0731		0.0673	0.0673		918.1286	918.1286	0.2969		925.5522
Total	**0.2252**	**2.2778**	**2.0514**	**9.4900e-003**	**0.0000**	**0.0731**	**0.0731**	**0.0000**	**0.0673**	**0.0673**		**918.1286**	**918.1286**	**0.2969**		**925.5522**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1175	0.5092	4.3090	9.4900e-003		0.0157	0.0157		0.0157	0.0157	0.0000	918.1286	918.1286	0.2969		925.5522
Total	**0.1175**	**0.5092**	**4.3090**	**9.4900e-003**	**0.0000**	**0.0157**	**0.0157**	**0.0000**	**0.0157**	**0.0157**	**0.0000**	**918.1286**	**918.1286**	**0.2969**		**925.5522**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.2 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2162	2.0498	2.0430	9.5100e-003		0.0664	0.0664		0.0611	0.0611		919.9803	919.9803	0.2975		927.4188
Total	**0.2162**	**2.0498**	**2.0430**	**9.5100e-003**	**0.0000**	**0.0664**	**0.0664**	**0.0000**	**0.0611**	**0.0611**		**919.9803**	**919.9803**	**0.2975**		**927.4188**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1175	0.5092	4.3090	9.5100e-003		0.0157	0.0157		0.0157	0.0157	0.0000	919.9803	919.9803	0.2975		927.4188
Total	**0.1175**	**0.5092**	**4.3090**	**9.5100e-003**	**0.0000**	**0.0157**	**0.0157**	**0.0000**	**0.0157**	**0.0157**	**0.0000**	**919.9803**	**919.9803**	**0.2975**		**927.4188**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Hollywood Center
On-Road Soil/Material Haul Truck Regional Emissions

Truck Total Emissions

Construction Phase	Source	Year	Daily One-Way Truck Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day) ROG	NOX	CO	SO2	PM10 Dust	PM10 Exh	Total PM10	PM2.5 Dust	PM2.5 Exh	Total PM2.5
West Site																
Demolition	T7 - Single Construction	2021	66	2	8	30	0.7998	21.5708	3.6785	0.0641	1.7355	0.3846	2.1201	0.4761	0.3680	0.8440
Grading/Excavation	T7 - Single Construction	2021/2022	192	209	8	30	2.3267	62.7514	10.7012	0.1866	5.0488	1.1188	6.1677	1.3849	1.0704	2.4553
Foundations/Concrete Pour (Revised) [MI	T7 - Single Construction	2022														
Shoring Wall	T7 - Single Construction	2022	20	19	8	7.5	0.0453	1.3577	0.3946	0.0050	0.1315	0.0105	0.1420	0.0361	0.0101	0.0461
Cast in Drilled Hole Foundation	T7 - Single Construction	2022	4	41	8	7.5	0.0091	0.2715	0.0789	0.0010	0.0263	0.0021	0.0284	0.0072	0.0020	0.0092
Mat Foundation (Continuous Pour)	T7 - Single Construction	2022	188	1	14	7.5	0.4256	12.7622	3.7089	0.0473	1.2359	0.0988	1.3347	0.3390	0.0945	0.4335
Column Footings	T7 - Single Construction	2022	42	4	8	7.5	0.0951	2.8511	0.8286	0.0106	0.2761	0.0221	0.2982	0.0757	0.0211	0.0968
Building Construction (Revised) [Starting	T7 - Single Construction	2022														
Structure Equipment Garage	T7 - Single Construction	2022	84	52	8	7.5	0.1901	5.7023	1.6572	0.0211	0.5522	0.0441	0.5963	0.1515	0.0422	0.1937
Structure Equipment Tower	T7 - Single Construction	2022	42	42	8	7.5	0.0951	2.8511	0.8286	0.0106	0.2761	0.0221	0.2982	0.0757	0.0211	0.0968
Structure Equipment Affordable	T7 - Single Construction	2022	48	22	8	7.5	0.1087	3.2584	0.9470	0.0121	0.3156	0.0252	0.3408	0.0866	0.0241	0.1107
Retail	T7 - Single Construction	2022	28	2	8	7.5	0.0634	1.9008	0.5524	0.0070	0.1841	0.0147	0.1988	0.0505	0.0141	0.0646
East Site																
Site Preparation	T7 - Single Construction	2022	52	2	8	30	0.3074	11.9106	1.8721	0.0484	1.3674	0.1079	1.4753	0.3751	0.1032	0.4783
Grading/Excavation	T7 - Single Construction	2022/2023	192	194	8	30	1.1350	43.9776	6.9124	0.1786	5.0488	0.3984	5.4473	1.3849	0.3812	1.7661
Foundations/Concrete Pour (Revised) [MI	T7 - Single Construction	2023														
Shoring Wall	T7 - Single Construction	2023	20	16	8	7.5	0.0275	0.9805	0.3659	0.0048	0.1315	0.0050	0.1365	0.0361	0.0048	0.0409
Cast in Drilled Hole Foundation	T7 - Single Construction	2023	4	30	8	7.5	0.0055	0.1961	0.0732	0.0010	0.0263	0.0010	0.0273	0.0072	0.0010	0.0082
Mat Foundation (Continuous Pour)	T7 - Single Construction	2023	142	1	11	7.5	0.1953	6.9613	2.5978	0.0341	0.9335	0.0356	0.9691	0.2561	0.0340	0.2901
Column Footings	T7 - Single Construction	2023	42	4	8	7.5	0.0578	2.0590	0.7684	0.0101	0.2761	0.0105	0.2866	0.0757	0.0101	0.0858
Building Construction (Revised) [Starting	T7 - Single Construction	2023														
Structure Equipment Garage	T7 - Single Construction	2023	88	58	8	7.5	0.1210	4.3141	1.6099	0.0211	0.5785	0.0220	0.6005	0.1587	0.0211	0.1798
Structure Equipment Tower	T7 - Single Construction	2023	40	82	8	7.5	0.0550	1.9609	0.7318	0.0096	0.2630	0.0100	0.2730	0.0721	0.0096	0.0817
Structure Equipment Affordable	T7 - Single Construction	2023	36	18	8	7.5	0.0495	1.7648	0.6586	0.0086	0.2367	0.0090	0.2457	0.0649	0.0086	0.0735
Retail	T7 - Single Construction	2023	60	3	8	7.5	0.0825	2.9414	1.0977	0.0144	0.3944	0.0150	0.4095	0.1082	0.0144	0.1226

Source: Based on AECOM Tishman, 2018; Millennium Partners, 2018; ESA, 2020

Hollywood Center
On-Road Soil/Material Haul Truck Regional Emissions

On-Road Truck Regional Running Emissions

Construction Phase	Source	Year	Daily One-Way Truck Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Running Emissions Factor (grams/mile)						Regional Emissions (pounds/day)					
							ROG	NOX	CO	SO2	PM10	PM2.5	ROG	NOX	CO	SO2	PM10	PM2.5
West Site																		
Demolition	T7 - Single Construction	2021	66	2	8	30	0.1674	4.7149	0.6423	0.0143	0.0878	0.0840	0.731	20.581	2.804	0.063	0.383	0.367
Grading/Excavation	T7 - Single Construction	2021	192	209	8	30	0.1674	4.7149	0.6423	0.0143	0.0878	0.0840	2.126	59.872	8.156	0.182	1.115	1.066
Foundations/Concrete Pour (Revised) [MH	T7 - Single Construction	2022																
Shoring Wall	T7 - Single Construction	2022	20	19	8	7.5	0.0735	3.2491	0.3281	0.0137	0.0312	0.0299	0.024	1.074	0.108	0.005	0.010	0.010
Cast in Drilled Hole Foundation	T7 - Single Construction	2022	4	41	8	7.5	0.0735	3.2491	0.3281	0.0137	0.0312	0.0299	0.005	0.215	0.022	0.001	0.002	0.002
Mat Foundation (Continuous Pour)	T7 - Single Construction	2022	188	1	14	7.5	0.0735	3.2491	0.3281	0.0137	0.0312	0.0299	0.229	10.100	1.020	0.043	0.097	0.093
Column Footings	T7 - Single Construction	2022	42	4	8	7.5	0.0735	3.2491	0.3281	0.0137	0.0312	0.0299	0.051	2.256	0.228	0.010	0.022	0.021
Building Construction (Revised) [Starting w	T7 - Single Construction	2022																
Structure Equipment Garage	T7 - Single Construction	2022	84	52	8	7.5	0.0735	3.2491	0.3281	0.0137	0.0312	0.0299	0.102	4.513	0.456	0.019	0.043	0.042
Structure Equipment Tower	T7 - Single Construction	2022	42	42	8	7.5	0.0735	3.2491	0.3281	0.0137	0.0312	0.0299	0.051	2.256	0.228	0.010	0.022	0.021
Structure Equipment Affordable	T7 - Single Construction	2022	48	22	8	7.5	0.0735	3.2491	0.3281	0.0137	0.0312	0.0299	0.058	2.579	0.260	0.011	0.025	0.024
Retail	T7 - Single Construction	2022	28	2	8	7.5	0.0735	3.2491	0.3281	0.0137	0.0312	0.0299	0.034	1.504	0.152	0.006	0.014	0.014
East Site																		
Site Preparation	T7 - Single Construction	2022	52	2	8	30	0.0735	3.2491	0.3281	0.0137	0.0312	0.0299	0.253	11.174	1.128	0.047	0.107	0.103
Grading/Excavation	T7 - Single Construction	2022	192	194	8	30	0.0735	3.2491	0.3281	0.0137	0.0312	0.0299	0.934	41.259	4.166	0.174	0.397	0.380
Foundations/Concrete Pour (Revised) [MH	T7 - Single Construction	2023																
Shoring Wall	T7 - Single Construction	2023	20	16	8	7.5	0.0201	2.2051	0.1781	0.0130	0.0148	0.0142	0.007	0.729	0.059	0.004	0.005	0.005
Cast in Drilled Hole Foundation	T7 - Single Construction	2023	4	30	8	7.5	0.0201	2.2051	0.1781	0.0130	0.0148	0.0142	0.001	0.146	0.012	0.001	0.001	0.001
Mat Foundation (Continuous Pour)	T7 - Single Construction	2023	142	1	11	7.5	0.0201	2.2051	0.1781	0.0130	0.0148	0.0142	0.047	5.177	0.418	0.031	0.035	0.033
Column Footings	T7 - Single Construction	2023	42	4	8	7.5	0.0201	2.2051	0.1781	0.0130	0.0148	0.0142	0.014	1.531	0.124	0.009	0.010	0.010
Building Construction (Revised) [Starting w	T7 - Single Construction	2023																
Structure Equipment Garage	T7 - Single Construction	2023	88	58	8	7.5	0.0201	2.2051	0.1781	0.0130	0.0148	0.0142	0.029	3.209	0.259	0.019	0.022	0.021
Structure Equipment Tower	T7 - Single Construction	2023	40	82	8	7.5	0.0201	2.2051	0.1781	0.0130	0.0148	0.0142	0.013	1.458	0.118	0.009	0.010	0.009
Structure Equipment Affordable	T7 - Single Construction	2023	36	18	8	7.5	0.0201	2.2051	0.1781	0.0130	0.0148	0.0142	0.012	1.313	0.106	0.008	0.009	0.008
Retail	T7 - Single Construction	2023	60	3	8	7.5	0.0201	2.2051	0.1781	0.0130	0.0148	0.0142	0.020	2.188	0.177	0.013	0.015	0.014

Source: Based on AECOM Tishman, 2018; Millennium Partners, 2018; ESA, 2020

Hollywood Center
On-Road Soil/Material Haul Truck Regional Emissions

On-Road Truck Fugitive Dust Emissions

Construction Phase	Source	Year	Daily One-Way Truck Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Running Emissions Factor (grams/mile) PM10 RD	PM10 BW	PM10 TW	PM2.5 RD	PM2.5 BW	PM2.5 TW	Regional Emissions (pounds/day) PM10 RD	PM10 BW	PM10 TW	PM2.5 RD	PM2.5 BW	PM2.5 TW
West Site																		
Demolition	T7 - Single Construction	2021	66	2	8	30	0.2998	0.0617	0.0360	0.0736	0.0265	0.0090	1.309	0.270	0.157	0.321	0.116	0.039
Grading/Excavation	T7 - Single Construction	2021	192	209	8	30	0.2998	0.0617	0.0360	0.0736	0.0265	0.0090	3.808	0.784	0.457	0.935	0.336	0.114
Foundations/Concrete Pour (Revised) [MH	T7 - Single Construction	2022																
Shoring Wall	T7 - Single Construction	2022	20	19	8	7.5	0.2998	0.0617	0.0360	0.0736	0.0265	0.0090	0.099	0.020	0.012	0.024	0.009	0.003
Cast in Drilled Hole Foundation	T7 - Single Construction	2022	4	41	8	7.5	0.2998	0.0617	0.0360	0.0736	0.0265	0.0090	0.020	0.004	0.002	0.005	0.002	0.001
Mat Foundation (Continuous Pour)	T7 - Single Construction	2022	188	1	14	7.5	0.2998	0.0617	0.0360	0.0736	0.0265	0.0090	0.932	0.192	0.112	0.229	0.082	0.028
Column Footings	T7 - Single Construction	2022	42	4	8	7.5	0.2998	0.0617	0.0360	0.0736	0.0265	0.0090	0.208	0.043	0.025	0.051	0.018	0.006
Building Construction (Revised) [Starting w	T7 - Single Construction	2022																
Structure Equipment Garage	T7 - Single Construction	2022	84	52	8	7.5	0.2998	0.0617	0.0360	0.0736	0.0265	0.0090	0.416	0.086	0.050	0.102	0.037	0.013
Structure Equipment Tower	T7 - Single Construction	2022	42	42	8	7.5	0.2998	0.0617	0.0360	0.0736	0.0265	0.0090	0.208	0.043	0.025	0.051	0.018	0.006
Structure Equipment Affordable	T7 - Single Construction	2022	48	22	8	7.5	0.2998	0.0617	0.0360	0.0736	0.0265	0.0090	0.238	0.049	0.029	0.058	0.021	0.007
Retail	T7 - Single Construction	2022	28	2	8	7.5	0.2998	0.0617	0.0360	0.0736	0.0265	0.0090	0.139	0.029	0.017	0.034	0.012	0.004
East Site																		
Site Preparation	T7 - Single Construction	2022	52	2	8	30	0.2998	0.0617	0.0360	0.0736	0.0265	0.0090	1.031	0.212	0.124	0.253	0.091	0.031
Grading/Excavation	T7 - Single Construction	2022	192	194	8	30	0.2998	0.0617	0.0360	0.0736	0.0265	0.0090	3.808	0.784	0.457	0.935	0.336	0.114
Foundations/Concrete Pour (Revised) [MH	T7 - Single Construction	2023																
Shoring Wall	T7 - Single Construction	2023	20	16	8	7.5	0.2998	0.0617	0.0360	0.0736	0.0265	0.0090	0.099	0.020	0.012	0.024	0.009	0.003
Cast in Drilled Hole Foundation	T7 - Single Construction	2023	4	30	8	7.5	0.2998	0.0617	0.0360	0.0736	0.0265	0.0090	0.020	0.004	0.002	0.005	0.002	0.001
Mat Foundation (Continuous Pour)	T7 - Single Construction	2023	142	1	11	7.5	0.2998	0.0617	0.0360	0.0736	0.0265	0.0090	0.704	0.145	0.085	0.173	0.062	0.021
Column Footings	T7 - Single Construction	2023	42	4	8	7.5	0.2998	0.0617	0.0360	0.0736	0.0265	0.0090	0.208	0.043	0.025	0.051	0.018	0.006
Building Construction (Revised) [Starting w	T7 - Single Construction	2023																
Structure Equipment Garage	T7 - Single Construction	2023	88	58	8	7.5	0.2998	0.0617	0.0360	0.0736	0.0265	0.0090	0.436	0.090	0.052	0.107	0.039	0.013
Structure Equipment Tower	T7 - Single Construction	2023	40	82	8	7.5	0.2998	0.0617	0.0360	0.0736	0.0265	0.0090	0.198	0.041	0.024	0.049	0.018	0.006
Structure Equipment Affordable	T7 - Single Construction	2023	36	18	8	7.5	0.2998	0.0617	0.0360	0.0736	0.0265	0.0090	0.178	0.037	0.021	0.044	0.016	0.005
Retail	T7 - Single Construction	2023	60	3	8	7.5	0.2998	0.0617	0.0360	0.0736	0.0265	0.0090	0.297	0.061	0.036	0.073	0.026	0.009

Source: Based on AECOM Tishman, 2018; Millennium Partners, 2018; ESA, 2020

Hollywood Center
On-Road Soil/Material Haul Truck Regional Emissions

On-Road Truck Idling Emissions

Construction Phase	Source	Year	Daily One-Way Truck Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	Idling Time per Truck (minutes)	Idling Emissions Factor (grams/min)						Regional Emissions (pounds/day)					
							ROG	NOX	CO	SO2	PM10	PM2.5	ROG	NOX	CO	SO2	PM10	PM2.5
West Site																		
Demolition	T7 - Single Construction	2021	66	2	8	15	0.0631	0.9069	0.8017	0.0015	0.0013	0.0012	0.0689	0.9897	0.8749	0.0016	0.0014	0.0014
Grading/Excavation	T7 - Single Construction	2021	192	209	8	15	0.0631	0.9069	0.8017	0.0015	0.0013	0.0012	0.2004	2.8791	2.5451	0.0047	0.0041	0.0039
Foundations/Concrete Pour (Revised) [MH	T7 - Single Construction	2022																
Shoring Wall	T7 - Single Construction	2022	20	19	8	15	0.0634	0.8565	0.8651	0.0015	0.0005	0.0005	0.0210	0.2832	0.2861	0.0005	0.0002	0.0002
Cast in Drilled Hole Foundation	T7 - Single Construction	2022	4	41	8	15	0.0634	0.8565	0.8651	0.0015	0.0005	0.0005	0.0042	0.0566	0.0572	0.0001	0.0000	0.0000
Mat Foundation (Continuous Pour)	T7 - Single Construction	2022	188	1	14	15	0.0634	0.8565	0.8651	0.0015	0.0005	0.0005	0.1970	2.6624	2.6891	0.0048	0.0016	0.0016
Column Footings	T7 - Single Construction	2022	42	4	8	15	0.0634	0.8565	0.8651	0.0015	0.0005	0.0005	0.0440	0.5948	0.6008	0.0011	0.0004	0.0004
Building Construction (Revised) [Starting w	T7 - Single Construction	2022																
Structure Equipment Garage	T7 - Single Construction	2022	84	52	8	15	0.0634	0.8565	0.8651	0.0015	0.0005	0.0005	0.0880	1.1896	1.2015	0.0021	0.0007	0.0007
Structure Equipment Tower	T7 - Single Construction	2022	42	42	8	15	0.0634	0.8565	0.8651	0.0015	0.0005	0.0005	0.0440	0.5948	0.6008	0.0011	0.0004	0.0004
Structure Equipment Affordable	T7 - Single Construction	2022	48	22	8	15	0.0634	0.8565	0.8651	0.0015	0.0005	0.0005	0.0503	0.6798	0.6866	0.0012	0.0004	0.0004
Retail	T7 - Single Construction	2022	28	2	8	15	0.0634	0.8565	0.8651	0.0015	0.0005	0.0005	0.0293	0.3965	0.4005	0.0007	0.0002	0.0002
East Site																		
Site Preparation	T7 - Single Construction	2022	52	2	8	15	0.0634	0.8565	0.8651	0.0015	0.0005	0.0005	0.0545	0.7364	0.7438	0.0013	0.0005	0.0004
Grading/Excavation	T7 - Single Construction	2022	192	194	8	15	0.0634	0.8565	0.8651	0.0015	0.0005	0.0005	0.2012	2.7191	2.7463	0.0049	0.0017	0.0016
Foundations/Concrete Pour (Revised) [MH	T7 - Single Construction	2023																
Shoring Wall	T7 - Single Construction	2023	20	16	8	15	0.0631	0.7598	0.9283	0.0015	0.0003	0.0003	0.0209	0.2513	0.3070	0.0005	0.0001	0.0001
Cast in Drilled Hole Foundation	T7 - Single Construction	2023	4	30	8	15	0.0631	0.7598	0.9283	0.0015	0.0003	0.0003	0.0042	0.0503	0.0614	0.0001	0.0000	0.0000
Mat Foundation (Continuous Pour)	T7 - Single Construction	2023	142	1	11	15	0.0631	0.7598	0.9283	0.0015	0.0003	0.0003	0.1480	1.7839	2.1796	0.0035	0.0007	0.0007
Column Footings	T7 - Single Construction	2023	42	4	8	15	0.0631	0.7598	0.9283	0.0015	0.0003	0.0003	0.0438	0.5276	0.6447	0.0010	0.0002	0.0002
Building Construction (Revised) [Starting w	T7 - Single Construction	2023																
Structure Equipment Garage	T7 - Single Construction	2023	88	58	8	15	0.0631	0.7598	0.9283	0.0015	0.0003	0.0003	0.0917	1.1055	1.3507	0.0022	0.0005	0.0004
Structure Equipment Tower	T7 - Single Construction	2023	40	82	8	15	0.0631	0.7598	0.9283	0.0015	0.0003	0.0003	0.0417	0.5025	0.6140	0.0010	0.0002	0.0002
Structure Equipment Affordable	T7 - Single Construction	2023	36	18	8	15	0.0631	0.7598	0.9283	0.0015	0.0003	0.0003	0.0375	0.4523	0.5526	0.0009	0.0002	0.0002
Retail	T7 - Single Construction	2023	60	3	8	15	0.0631	0.7598	0.9283	0.0015	0.0003	0.0003	0.0626	0.7538	0.9209	0.0015	0.0003	0.0003

Source: Based on AECOM Tishman, 2018; Millennium Partners, 2018; ESA, 2020

Hollywood Center
On-Road Truck Emission Factors (Aggregate Model Year, Aggregate Speeds)

EMFAC2017 (v1.0.7) Emission Rates
Region Type: Sub-Area
Region: Los Angeles (SC)
Calendar Years: 2020, 2021, 2022, 2023,2024,2025
Season: Annual
Vehicle Classification: EMFAC2011 Categories
Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/hour for IDLEX, RESTL and DIURN

						CRITERIA AIR POLLUTANTS (g/mi or g/min)															
Region	**CalYr**	**VehClass**	**MdlYr**	**Speed**	**Fuel**	**ROG_RUNEX**	**ROG_IDLEX**	**NOx_RUNEX**	**NOx_IDLEX**	**CO_RUNEX**	**CO_IDLEX**	**SO2_RUNEX**	**SO2_IDLEX**	**PM10_BW**	**PM10_TW**	**PM10_RUNEX**	**PM10_IDLEX**	**PM2.5_BW**	**PM2.5_TW**	**PM2.5_RUNEX**	**PM2.5_IDLEX**
Los Angeles County (SC)	2021	T7 single construction	Aggregated	Aggregated	Diesel	0.1674	0.0631	4.7149	0.9069	0.6423	0.8017	0.0143	0.0015	0.0617	0.0360	0.0878	0.0013	0.0265	0.0090	0.0840	0.0012
Los Angeles County (SC)	2022	T7 single construction	Aggregated	Aggregated	Diesel	0.0735	0.0634	3.2491	0.8565	0.3281	0.8651	0.0137	0.0015	0.0617	0.0360	0.0312	0.0005	0.0265	0.0090	0.0299	0.0005
Los Angeles County (SC)	2023	T7 single construction	Aggregated	Aggregated	Diesel	0.0201	0.0631	2.2051	0.7598	0.1781	0.9283	0.0130	0.0015	0.0617	0.0360	0.0148	0.0003	0.0265	0.0090	0.0142	0.0003
Los Angeles County (SC)	2024	T7 single construction	Aggregated	Aggregated	Diesel	0.0195	0.0631	2.1683	0.7590	0.1783	0.9302	0.0129	0.0015	0.0617	0.0360	0.0145	0.0003	0.0265	0.0090	0.0139	0.0003

Source: California Air Resources Board, EMFAC2017. Accessed October 2019.

Hollywood Center
Road Dust Emission Factors

Paved Road Dust Emission Factors (Assumes No Precipitation)

Formula: $EF_{Dust,P} = (k\ (sL)^{0.91} \times (W)^{1.02})$

Where:

$EF_{Dust,P}$ = Paved Road Dust Emission Factor (having the same units as k)
k = particle size multiplier
sL = road surface silt loading (g/m^2)
W = average fleet vehicle weight (tons) (CARB uses 2.4 tons as a fleet average vehicle weight factor)

	Emission Factor (grams per VMT)	
	PM10	PM2.5
k	0.9979	0.2449
sL	0.1	0.1
W	2.4	2.4
$EF_{Dust,P}$	3.00E-01	7.36E-02

Unpaved Road Dust Emission Factors (Assumes No Precipitation)

Formula: $EF_{Dust,U} = (k\ (\ s / 12)^{1} \times (Sp / 30)^{0.5} / (M / 0.5)^{0.2}) - C)$

Where:

$EF_{Dust,U}$ = Unpaved Road Dust Emission Factor (having the same units as k)
k = particle size multiplier
s = surface material silt content (%)
Sp = mean vehicle speed (mph)
M = surface material moisture content (%)
C = Emission Factor for 1980s vehicle fleet exhaust, brake wear, and tire wear

	Emission Factor (grams per VMT)	
	PM10	PM2.5
k	816.47	81.65
s	4.3%	4.3%
Sp	15	15
M	0.5%	0.5%
C	0.00047	0.00036
$EF_{Dust,U}$	5.20E+00	5.19E-01

Sources:
SCAQMD, CalEEMod, Version 2011.1.
CARB, *Entrained Dust from Paved Road Travel: Emission Estimation Methodology Background Document* , (1997).
USEPA, *AP-42* , Fifth Edition, Volume I, Chapter 13.2.1 - Paved Roads, (2011).
ESA, 2020.

Hollywood Center
On-Road Vendor Truck Regional Emissions

Truck Total Emissions

Construction Phase	Source	Year	Daily One-Way Truck Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day) ROG	NOX	CO	SO2	PM10 Dust	PM10 Exh	Total PM10	PM2.5 Dust	PM2.5 Exh	Total PM2.5
West Site																
Building Construction (Rev	MHDT,HHDT	2022														
	MHDT,HHDT	2022	50	263	8	6.9	0.1308	3.2326	1.2977	0.0106	0.3189	0.0261	0.3450	0.0917	0.0250	0.1167
	MHDT,HHDT	2023	50	312	8	6.9	0.0878	2.5224	1.2642	0.0101	0.3190	0.0104	0.3293	0.0917	0.0099	0.1016
	MHDT,HHDT	2024	50	64	8	6.9	0.0881	2.5308	1.2715	0.0099	0.3190	0.0104	0.3294	0.0917	0.0100	0.1017
East Site																
Building Construction (Rev	MHDT,HHDT	2023														
	MHDT,HHDT	2023	50	264	8	6.9	0.0878	2.5224	1.2642	0.0101	0.3190	0.0104	0.3293	0.0917	0.0099	0.1016
	MHDT,HHDT	2024	50	314	8	6.9	0.0881	2.5308	1.2715	0.0099	0.3190	0.0104	0.3294	0.0917	0.0100	0.1017
	MHDT,HHDT	2025	50	148	8	6.9	0.0883	2.5237	1.2768	0.0098	0.3190	0.0104	0.3294	0.0917	0.0100	0.1017

Source: Based on AECOM Tishman, 2018; Millennium Partners, 2018; ESA, 2020.

Hollywood Center
On-Road Vendor Truck Regional Emissions

Vendor Truck Regional Running Emissions

Construction Phase	Source	Year	Daily One-Way Truck Trips	Work Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Running Emissions Factor (grams/mile) ROG	NOX	CO	SO2	PM10	PM2.5	Regional Emissions (pounds/day) ROG	NOX	CO	SO2	PM10	PM2.5
West Site																		
Building Construction (Revis	MHDT,HHDT	2022																
	MHDT,HHDT	2022	50	263	8	6.9	0.0698	2.7315	0.2988	0.0114	0.0331	0.0317	0.053	2.078	0.227	0.009	0.025	0.024
	MHDT,HHDT	2023	50	312	8	6.9	0.0139	1.9610	0.1464	0.0108	0.0129	0.0123	0.011	1.492	0.111	0.008	0.010	0.009
	MHDT,HHDT	2024	50	64	8	6.9	0.0140	1.9788	0.1492	0.0106	0.0130	0.0124	0.011	1.505	0.113	0.008	0.010	0.009
East Site																		
Building Construction (Revis	MHDT,HHDT	2023																
	MHDT,HHDT	2023	50	264	8	6.9	0.0139	1.9610	0.1464	0.0108	0.0129	0.0123	0.011	1.492	0.111	0.008	0.010	0.009
	MHDT,HHDT	2024	50	314	8	6.9	0.0140	1.9788	0.1492	0.0106	0.0130	0.0124	0.011	1.505	0.113	0.008	0.010	0.009
	MHDT,HHDT	2025	50	148	8	6.9	0.0139	1.9751	0.1501	0.0104	0.0130	0.0125	0.011	1.502	0.114	0.008	0.010	0.009

Source: Based on AECOM Tishman, 2018; Millennium Partners, 2018; ESA, 2020.

Hollywood Center
On-Road Vendor Truck Regional Emissions

Vendor Truck Regional Fugitive Dust Emissions

Construction Phase	Source	Year	Daily One-Way Truck Trips	Work Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Running Emissions Factor (grams/mile)						Regional Emissions (pounds/day)					
							PM10 RD	PM10 BW	PM10 TW	PM2.5 RD	PM2.5 BW	PM2.5 TW	PM10 RD	PM10 BW	PM10 TW	PM2.5 RD	PM2.5 BW	PM2.5 TW
West Site																		
Building Construction (Revis	MHDT,HHDT	2022																
	MHDT,HHDT	2022	50	263	8	6.9	0.2998	0.0957	0.0238	0.0736	0.0410	0.0059	0.228	0.073	0.018	0.056	0.031	0.005
	MHDT,HHDT	2023	50	312	8	6.9	0.2998	0.0957	0.0238	0.0736	0.0410	0.0060	0.228	0.073	0.018	0.056	0.031	0.005
	MHDT,HHDT	2024	50	64	8	6.9	0.2998	0.0957	0.0238	0.0736	0.0410	0.0060	0.228	0.073	0.018	0.056	0.031	0.005
East Site																		
Building Construction (Revis	MHDT,HHDT	2023																
	MHDT,HHDT	2023	50	264	8	6.9	0.2998	0.0957	0.0238	0.0736	0.0410	0.0060	0.228	0.073	0.018	0.056	0.031	0.005
	MHDT,HHDT	2024	50	314	8	6.9	0.2998	0.0957	0.0238	0.0736	0.0410	0.0060	0.228	0.073	0.018	0.056	0.031	0.005
	MHDT,HHDT	2025	50	148	8	6.9	0.2998	0.0957	0.0238	0.0736	0.0410	0.0060	0.228	0.073	0.018	0.056	0.031	0.005

Source: Based on AECOM Tishman, 2018; Millennium Partners, 2018; ESA, 2020.

Hollywood Center
On-Road Vendor Truck Regional Emissions

Vendor Truck Regional Idling Emissions

Construction Phase	Source	Year	Daily One-Way Truck Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	Idling Time per Truck (minutes)	Idling Emissions Factor (grams/min)						Regional Emissions (pounds/day)					
							ROG	NOX	CO	SO2	PM10	PM2.5	ROG	NOX	CO	SO2	PM10	PM2.5
West Site																		
Building Construction (Revis	MHDT,HHDT	2022																
	MHDT,HHDT	2022	50	263	8	15	0.0940	1.3970	1.2948	0.0024	0.0011	0.0010	0.0777	1.1550	1.0704	0.0020	0.0009	0.0008
	MHDT,HHDT	2023	50	312	8	15	0.0935	1.2469	1.3945	0.0023	0.0007	0.0007	0.0773	1.0308	1.1528	0.0019	0.0006	0.0006
	MHDT,HHDT	2024	50	64	8	15	0.0938	1.2407	1.4008	0.0023	0.0007	0.0006	0.0775	1.0257	1.1581	0.0019	0.0006	0.0005
East Site																		
Building Construction (Revis	MHDT,HHDT	2023																
	MHDT,HHDT	2023	50	264	8	15	0.0935	1.2469	1.3945	0.0023	0.0007	0.0007	0.0773	1.0308	1.1528	0.0019	0.0006	0.0006
	MHDT,HHDT	2024	50	314	8	15	0.0938	1.2407	1.4008	0.0023	0.0007	0.0006	0.0775	1.0257	1.1581	0.0019	0.0006	0.0005
	MHDT,HHDT	2025	50	148	8	15	0.0940	1.2356	1.4063	0.0022	0.0006	0.0006	0.0777	1.0215	1.1627	0.0018	0.0005	0.0005

Source: Based on AECOM Tishman, 2018; Millennium Partners, 2018; ESA, 2020

Hollywood Center
On-Road Truck Emission Factors (Aggregate Model Year, Aggregate Speeds)

EMFAC2017 (v1.0.7) Emission Rates
Region Type: Sub-Area
Region: Los Angeles (SC)
Calendar Years: 2020, 2021, 2022, 2023,2024,2025
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/hour for IDLEX, RESTL and DIURN

						CRITERIA AIR POLLUTANTS (g/mi or g/min)															
Region	**CalYr**	**VehClass**	**MdlYr**	**Speed**	**Fuel**	**ROG_RUNEX**	**ROG_IDLEX**	**NOx_RUNEX**	**NOx_IDLEX**	**CO_RUNEX**	**CO_IDLEX**	**SO2_RUNEX**	**SO2_IDLEX**	**PM10_BW**	**PM10_TW**	**PM10_RUNEX**	**PM10_IDLEX**	**PM2.5_BW**	**PM2.5_TW**	**PM2.5_RUNEX**	**PM2.5_IDLEX**
Los Angeles County (SC)	2021	MHDT,HHDT	Aggregated	Aggregated	Diesel	0.1240	0.0953	3.4086	1.4315	0.4676	1.2285	0.0117	0.0023	0.0957	0.0238	0.0616	0.0023	0.0410	0.0059	0.0590	0.0022
Los Angeles County (SC)	2022	MHDT,HHDT	Aggregated	Aggregated	Diesel	0.0698	0.0940	2.7315	1.3970	0.2988	1.2948	0.0114	0.0024	0.0957	0.0238	0.0331	0.0011	0.0410	0.0059	0.0317	0.0010
Los Angeles County (SC)	2023	MHDT,HHDT	Aggregated	Aggregated	Diesel	0.0139	0.0935	1.9610	1.2469	0.1464	1.3945	0.0108	0.0023	0.0957	0.0238	0.0129	0.0007	0.0410	0.0060	0.0123	0.0007
Los Angeles County (SC)	2024	MHDT,HHDT	Aggregated	Aggregated	Diesel	0.0140	0.0938	1.9788	1.2407	0.1492	1.4008	0.0106	0.0023	0.0957	0.0238	0.0130	0.0007	0.0410	0.0060	0.0124	0.0006
Los Angeles County (SC)	2025	MHDT,HHDT	Aggregated	Aggregated	Diesel	0.0139	0.0940	1.9751	1.2356	0.1501	1.4063	0.0104	0.0022	0.0957	0.0238	0.0130	0.0006	0.0410	0.0060	0.0125	0.0006

Source: California Air Resources Board, EMFAC2017. Accessed October 2019.

Hollywood Center
Road Dust Emission Factors

Paved Road Dust Emission Factors (Assumes No Precipitation)

Formula: $EF_{Dust,P} = (k\ (sL)^{0.91} \times (W)^{1.02})$

Where:

$EF_{Dust,P}$ = Paved Road Dust Emission Factor (having the same units as k)
k = particle size multiplier
sL = road surface silt loading (g/m^2)
W = average fleet vehicle weight (tons) (CARB uses 2.4 tons as a fleet average vehicle weight factor)

	Emission Factor (grams per VMT)	
	PM10	PM2.5
k	0.9979	0.2449
sL	0.1	0.1
W	2.4	2.4
$EF_{Dust,P}$	3.00E-01	7.36E-02

Unpaved Road Dust Emission Factors (Assumes No Precipitation)

Formula: $EF_{Dust,U} = (k\ (\ s / 12)^{1} \times (Sp / 30)^{0.5} / (M / 0.5)^{0.2}) - C)$

Where:

$EF_{Dust,U}$ = Unpaved Road Dust Emission Factor (having the same units as k)
k = particle size multiplier
s = surface material silt content (%)
Sp = mean vehicle speed (mph)
M = surface material moisture content (%)
C = Emission Factor for 1980s vehicle fleet exhaust, brake wear, and tire wear

	Emission Factor (grams per VMT)	
	PM10	PM2.5
k	816.47	81.65
s	4.3%	4.3%
Sp	15	15
M	0.5%	0.5%
C	0.00047	0.00036
$EF_{Dust,U}$	5.20E+00	5.19E-01

Sources:
SCAQMD, CalEEMod, Version 2011.1.
CARB, *Entrained Dust from Paved Road Travel: Emission Estimation Methodology Background Document* , (1997).
USEPA, *AP-42* , Fifth Edition, Volume I, Chapter 13.2.1 - Paved Roads, (2011).
ESA, 2020.

Hollywood Center
On-Road Worker Regional Emissions

Worker Total Emissions

Construction Phase	Source	Year	Daily One-Way Truck Trips	Work Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day) ROG	NOX	CO	SO2	PM10 Dust	PM10 Exh	Total PM10	PM2.5 Dust	PM2.5 Exh	Total PM2.5
West Site																
Demolition	LDA,LDT1,LDT2	2021	12	49	8	14.7	0.0089	0.0323	0.4254	0.0012	0.1340	0.0008	0.1349	0.0355	0.0008	0.0363
Site Preparation	LDA,LDT1,LDT2	2021	24	24	8	14.7	0.0179	0.0645	0.8508	0.0024	0.2680	0.0017	0.2697	0.0711	0.0015	0.0726
Grading/Excavation	LDA,LDT1,LDT2	2021	224	278	8	14.7	0.1670	0.6023	7.9411	0.0225	2.5016	0.0157	2.5173	0.6631	0.0144	0.6776
	LDA,LDT1,LDT2	2022	224	1	8	14.7	0.1446	0.5255	7.2251	0.0219	2.5016	0.0147	2.5163	0.6631	0.0135	0.6767
Foundations/Concrete Pour (Revised) [MI	LDA,LDT1,LDT2	2022														
Foundations	LDA,LDT1,LDT2	2022	250	49	8	14.7	0.1613	0.5865	8.0637	0.0244	2.7919	0.0164	2.8084	0.7401	0.0151	0.7552
Utilities/Trenching (Revised) [MHD101: R	LDA,LDT1,LDT2	2021	12	18	8	14.7	0.0089	0.0323	0.4254	0.0012	0.1340	0.0008	0.1349	0.0355	0.0008	0.0363
Building Construction (Revised) [Starting	LDA,LDT1,LDT2	2022														
	LDA,LDT1,LDT2	2022	600	263	8	14.7	0.3872	1.4076	19.3530	0.0587	6.7007	0.0394	6.7401	1.7763	0.0363	1.8125
	LDA,LDT1,LDT2	2023	600	312	8	14.7	0.3359	1.2349	17.7318	0.0570	6.7007	0.0373	6.7380	1.7763	0.0343	1.8106
	LDA,LDT1,LDT2	2024	600	64	8	14.7	0.2971	1.0970	16.4971	0.0556	6.7007	0.0361	6.7367	1.7763	0.0332	1.8094
Paving (Revised) [MHW112: Hardscap	LDA,LDT1,LDT2	2023	24	76	8	14.7	0.0134	0.0494	0.7093	0.0023	0.2680	0.0015	0.2695	0.0711	0.0014	0.0724
Architectural Coatings (Revised) [MHV	LDA,LDT1,LDT2	2022	16	59	8	14.7	0.0103	0.0375	0.5161	0.0016	0.1787	0.0011	0.1797	0.0474	0.0010	0.0483
	LDA,LDT1,LDT2	2023	16	312	8	14.7	0.0090	0.0329	0.4728	0.0015	0.1787	0.0010	0.1797	0.0474	0.0009	0.0483
	LDA,LDT1,LDT2	2024	16	27	8	14.7	0.0079	0.0293	0.4399	0.0015	0.1787	0.0010	0.1796	0.0474	0.0009	0.0483
East Site																
Site Preparation	LDA,LDT1,LDT2	2022	24	27	8	14.7	0.0155	0.0563	0.7741	0.0023	0.2680	0.0016	0.2696	0.0711	0.0015	0.0725
Grading/Excavation	LDA,LDT1,LDT2	2022	224	251	8	14.7	0.1446	0.5255	7.2251	0.0219	2.5016	0.0147	2.5163	0.6631	0.0135	0.6767
	LDA,LDT1,LDT2	2023	224	8	8	14.7	0.1254	0.4610	6.6199	0.0213	2.5016	0.0139	2.5155	0.6631	0.0128	0.6759
Foundations/Concrete Pour (Revised) [MI	LDA,LDT1,LDT2	2023														
Foundations	LDA,LDT1,LDT2	2023	248	40	8	14.7	0.1388	0.5104	7.3291	0.0235	2.7696	0.0154	2.7850	0.7342	0.0142	0.7484
Utilities/Trenching (Revised) [MHD101: R	LDA,LDT1,LDT2	2022	12	11	8	14.7	0.0077	0.0282	0.3871	0.0012	0.1340	0.0008	0.1348	0.0355	0.0007	0.0363
Building Construction (Revised) [Starting	LDA,LDT1,LDT2	2023														
	LDA,LDT1,LDT2	2023	600	264	8	14.7	0.3359	1.2349	17.7318	0.0570	6.7007	0.0373	6.7380	1.7763	0.0343	1.8106
	LDA,LDT1,LDT2	2024	600	314	8	14.7	0.2971	1.0970	16.4971	0.0556	6.7007	0.0361	6.7367	1.7763	0.0332	1.8094
	LDA,LDT1,LDT2	2025	600	148	8	14.7	0.2611	0.9812	15.3695	0.0539	6.7007	0.0346	6.7353	1.7763	0.0318	1.8081
Paving (Revised) [MHE112: Hardscape & I	LDA,LDT1,LDT2	2024	24	78	8	14.7	0.0119	0.0439	0.6599	0.0022	0.2680	0.0014	0.2695	0.0711	0.0013	0.0724
Architectural Coatings (Revised) [MHE109	LDA,LDT1,LDT2	2023	16	67	8	14.7	0.0090	0.0329	0.4728	0.0015	0.1787	0.0010	0.1797	0.0474	0.0009	0.0483
	LDA,LDT1,LDT2	2024	16	314	8	14.7	0.0079	0.0293	0.4399	0.0015	0.1787	0.0010	0.1796	0.0474	0.0009	0.0483
	LDA,LDT1,LDT2	2025	16	20	8	14.7	0.0070	0.0262	0.4099	0.0014	0.1787	0.0009	0.1796	0.0474	0.0008	0.0482

Source: Based on AECOM Tishman, 2018; Millennium Partners, 2018; ESA, 2020

Hollywood Center
On-Road Worker Regional Emissions

Worker Regional Running Emissions

Construction Phase	Source	Year	Daily One-Way Worker Trips	Work Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Running Emissions Factor (grams/mile) ROG	NOX	CO	SO2	PM10	PM2.5	Regional Emissions (pounds/day) ROG	NOX	CO	SO2	PM10	PM2.5
West Site																		
Demolition	LDA,LDT1,LDT2	2021	12	49	8	14.7	0.0230	0.0830	1.0939	0.0031	0.0022	0.0020	0.009	0.032	0.425	0.001	0.001	0.001
Site Preparation	LDA,LDT1,LDT2	2021	24	24	8	14.7	0.0230	0.0830	1.0939	0.0031	0.0022	0.0020	0.018	0.065	0.851	0.002	0.002	0.002
Grading/Excavation	LDA,LDT1,LDT2	2021	224	278	8	14.7	0.0230	0.0830	1.0939	0.0031	0.0022	0.0020	0.167	0.602	7.941	0.023	0.016	0.014
	LDA,LDT1,LDT2	2022	224	1	8	14.7	0.0199	0.0724	0.9953	0.0030	0.0020	0.0019	0.145	0.525	7.225	0.022	0.015	0.014
Foundations/Concrete Pour (Revised) [MH	LDA,LDT1,LDT2	2022																
Foundations	LDA,LDT1,LDT2	2022	250	49	8	14.7	0.0199	0.0724	0.9953	0.0030	0.0020	0.0019	0.161	0.586	8.064	0.024	0.016	0.015
Utilities/Trenching (Revised) [MHD101: Re	LDA,LDT1,LDT2	2021	12	18	8	14.7	0.0230	0.0830	1.0939	0.0031	0.0022	0.0020	0.009	0.032	0.425	0.001	0.001	0.001
Building Construction (Revised) [Starting w	LDA,LDT1,LDT2	2022																
	LDA,LDT1,LDT2	2022	600	263	8	14.7	0.0199	0.0724	0.9953	0.0030	0.0020	0.0019	0.387	1.408	19.353	0.059	0.039	0.036
	LDA,LDT1,LDT2	2023	600	312	8	14.7	0.0173	0.0635	0.9119	0.0029	0.0019	0.0018	0.336	1.235	17.732	0.057	0.037	0.034
	LDA,LDT1,LDT2	2024	600	64	8	14.7	0.0153	0.0564	0.8484	0.0029	0.0019	0.0017	0.297	1.097	16.497	0.056	0.036	0.033
Paving (Revised) [MHW112: Hardscape	LDA,LDT1,LDT2	2023	24	76	8	14.7	0.0173	0.0635	0.9119	0.0029	0.0019	0.0018	0.013	0.049	0.709	0.002	0.001	0.001
Architectural Coatings (Revised) [MHW	LDA,LDT1,LDT2	2022	16	59	8	14.7	0.0199	0.0724	0.9953	0.0030	0.0020	0.0019	0.010	0.038	0.516	0.002	0.001	0.001
	LDA,LDT1,LDT2	2023	16	312	8	14.7	0.0173	0.0635	0.9119	0.0029	0.0019	0.0018	0.009	0.033	0.473	0.002	0.001	0.001
	LDA,LDT1,LDT2	2024	16	27	8	14.7	0.0153	0.0564	0.8484	0.0029	0.0019	0.0017	0.008	0.029	0.440	0.001	0.001	0.001
East Site																		
Site Preparation	LDA,LDT1,LDT2	2022	24	27	8	14.7	0.0199	0.0724	0.9953	0.0030	0.0020	0.0019	0.015	0.056	0.774	0.002	0.002	0.001
Grading/Excavation	LDA,LDT1,LDT2	2022	224	251	8	14.7	0.0199	0.0724	0.9953	0.0030	0.0020	0.0019	0.145	0.525	7.225	0.022	0.015	0.014
	LDA,LDT1,LDT2	2023	224	8	8	14.7	0.0173	0.0635	0.9119	0.0029	0.0019	0.0018	0.125	0.461	6.620	0.021	0.014	0.013
Foundations/Concrete Pour (Revised) [MH	LDA,LDT1,LDT2	2023																
Foundations	LDA,LDT1,LDT2	2023	248	40	8	14.7	0.0173	0.0635	0.9119	0.0029	0.0019	0.0018	0.139	0.510	7.329	0.024	0.015	0.014
Utilities/Trenching (Revised) [MHD101: Re	LDA,LDT1,LDT2	2022	12	11	8	14.7	0.0199	0.0724	0.9953	0.0030	0.0020	0.0019	0.008	0.028	0.387	0.001	0.001	0.001
Building Construction (Revised) [Starting w	LDA,LDT1,LDT2	2023																
	LDA,LDT1,LDT2	2023	600	264	8	14.7	0.0173	0.0635	0.9119	0.0029	0.0019	0.0018	0.336	1.235	17.732	0.057	0.037	0.034
	LDA,LDT1,LDT2	2024	600	314	8	14.7	0.0153	0.0564	0.8484	0.0029	0.0019	0.0017	0.297	1.097	16.497	0.056	0.036	0.033
	LDA,LDT1,LDT2	2025	600	148	8	14.7	0.0134	0.0505	0.7904	0.0028	0.0018	0.0016	0.261	0.981	15.370	0.054	0.035	0.032
Paving (Revised) [MHE112: Hardscape & La	LDA,LDT1,LDT2	2024	24	78	8	14.7	0.0153	0.0564	0.8484	0.0029	0.0019	0.0017	0.012	0.044	0.660	0.002	0.001	0.001
Architectural Coatings (Revised) [MHE109:	LDA,LDT1,LDT2	2023	16	67	8	14.7	0.0173	0.0635	0.9119	0.0029	0.0019	0.0018	0.009	0.033	0.473	0.002	0.001	0.001
	LDA,LDT1,LDT2	2024	16	314	8	14.7	0.0153	0.0564	0.8484	0.0029	0.0019	0.0017	0.008	0.029	0.440	0.001	0.001	0.001
	LDA,LDT1,LDT2	2025	16	20	8	14.7	0.0134	0.0505	0.7904	0.0028	0.0018	0.0016	0.007	0.026	0.410	0.001	0.001	0.001

Source: Based on AECOM Tishman, 2018; Millennium Partners, 2018; ESA, 2020.

Hollywood Center
On-Road Worker Regional Emissions

Worker Fugitive Dust Emissions

Construction Phase	Source	Year	Daily One-Way Worker Trips	Work Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Running Emissions Factor (grams/mile) PM10 RD	PM10 BW	PM10 TW	PM2.5 RD	PM2.5 BW	PM2.5 TW	Regional Emissions (pounds/day) PM10 RD	PM10 BW	PM10 TW	PM2.5 RD	PM2.5 BW	PM2.5 TW
West Site																		
Demolition	LDA,LDT1,LDT2	2021	12	49	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	0.117	0.014	0.003	0.029	0.006	0.001
Site Preparation	LDA,LDT1,LDT2	2021	24	24	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	0.233	0.029	0.006	0.057	0.012	0.002
Grading/Excavation	LDA,LDT1,LDT2	2021	224	278	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	2.177	0.267	0.058	0.534	0.114	0.015
	LDA,LDT1,LDT2	2022	224	1	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	2.177	0.267	0.058	0.534	0.114	0.015
Foundations/Concrete Pour (Revised) [MH	LDA,LDT1,LDT2	2022																
Foundations	LDA,LDT1,LDT2	2022	250	49	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	2.429	0.298	0.065	0.596	0.128	0.016
Utilities/Trenching (Revised) [MHD101: Re	LDA,LDT1,LDT2	2021	12	18	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	0.117	0.014	0.003	0.029	0.006	0.001
Building Construction (Revised) [Starting w	LDA,LDT1,LDT2	2022																
	LDA,LDT1,LDT2	2022	600	263	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	5.831	0.715	0.156	1.431	0.306	0.039
	LDA,LDT1,LDT2	2023	600	312	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	5.831	0.715	0.156	1.431	0.306	0.039
	LDA,LDT1,LDT2	2024	600	64	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	5.831	0.715	0.156	1.431	0.306	0.039
Paving (Revised) [MHW112: Hardscape	LDA,LDT1,LDT2	2023	24	76	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	0.233	0.029	0.006	0.057	0.012	0.002
Architectural Coatings (Revised) [MHW	LDA,LDT1,LDT2	2022	16	59	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	0.155	0.019	0.004	0.038	0.008	0.001
	LDA,LDT1,LDT2	2023	16	312	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	0.155	0.019	0.004	0.038	0.008	0.001
	LDA,LDT1,LDT2	2024	16	27	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	0.155	0.019	0.004	0.038	0.008	0.001
East Site																		
Site Preparation	LDA,LDT1,LDT2	2022	24	27	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	0.233	0.029	0.006	0.057	0.012	0.002
Grading/Excavation	LDA,LDT1,LDT2	2022	224	251	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	2.177	0.267	0.058	0.534	0.114	0.015
	LDA,LDT1,LDT2	2023	224	8	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	2.177	0.267	0.058	0.534	0.114	0.015
Foundations/Concrete Pour (Revised) [MH	LDA,LDT1,LDT2	2023																
Foundations	LDA,LDT1,LDT2	2023	248	40	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	2.410	0.295	0.064	0.592	0.127	0.016
Utilities/Trenching (Revised) [MHD101: Re	LDA,LDT1,LDT2	2022	12	11	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	0.117	0.014	0.003	0.029	0.006	0.001
Building Construction (Revised) [Starting w	LDA,LDT1,LDT2	2023																
	LDA,LDT1,LDT2	2023	600	264	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	5.831	0.715	0.156	1.431	0.306	0.039
	LDA,LDT1,LDT2	2024	600	314	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	5.831	0.715	0.156	1.431	0.306	0.039
	LDA,LDT1,LDT2	2025	600	148	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	5.831	0.715	0.156	1.431	0.306	0.039
Paving (Revised) [MHE112: Hardscape & L	LDA,LDT1,LDT2	2024	24	78	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	0.233	0.029	0.006	0.057	0.012	0.002
Architectural Coatings (Revised) [MHE109:	LDA,LDT1,LDT2	2023	16	67	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	0.155	0.019	0.004	0.038	0.008	0.001
	LDA,LDT1,LDT2	2024	16	314	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	0.155	0.019	0.004	0.038	0.008	0.001
	LDA,LDT1,LDT2	2025	16	20	8	14.7	0.2998	0.0368	0.0080	0.0736	0.0158	0.0020	0.155	0.019	0.004	0.038	0.008	0.001

Source: Based on AECOM Tishman, 2018; Millennium Partners, 2018; ESA, 2020.

Hollywood Center
On-Road Woker Emission Factors (Aggregate Model Year, Aggregate Speeds)

EMFAC2017 (v1.0.7) Emission Rates
Region Type: Sub-Area
Region: Los Angeles (SC)
Calendar Years: 2020, 2021, 2022, 2023,2024,2025
Season: Annual
Vehicle Classification: EMFAC2011 Categories
Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/hour for IDLEX, RESTL and DIURN

						CRITERIA AIR POLLUTANTS (g/mi or g/min)									
Region	**CalYr**	**VehClass**	**MdlYr**	**Speed**	**Fuel**	**ROG_RUNEX**	**NOx_RUNEX**	**CO_RUNEX**	**SO2_RUNEX**	**PM10_BW**	**PM10_TW**	**PM10_RUNEX**	**PM2.5_BW**	**PM2.5_TW**	**PM2.5_RUNEX**
Los Angeles County (SC)	2021	LDA,LDT1,LDT2	Aggregated	Aggregated	Gas	0.0230	0.0830	1.0939	0.0031	0.0368	0.0080	0.0022	0.0158	0.0020	0.0020
Los Angeles County (SC)	2022	LDA,LDT1,LDT2	Aggregated	Aggregated	Gas	0.0199	0.0724	0.9953	0.0030	0.0368	0.0080	0.0020	0.0158	0.0020	0.0019
Los Angeles County (SC)	2023	LDA,LDT1,LDT2	Aggregated	Aggregated	Gas	0.0173	0.0635	0.9119	0.0029	0.0368	0.0080	0.0019	0.0158	0.0020	0.0018
Los Angeles County (SC)	2024	LDA,LDT1,LDT2	Aggregated	Aggregated	Gas	0.0153	0.0564	0.8484	0.0029	0.0368	0.0080	0.0019	0.0158	0.0020	0.0017
Los Angeles County (SC)	2025	LDA,LDT1,LDT2	Aggregated	Aggregated	Gas	0.0134	0.0505	0.7904	0.0028	0.0368	0.0080	0.0018	0.0158	0.0020	0.0016

Source: California Air Resources Board, EMFAC2017. Accessed October 2019.

EMFAC Off-Model Adjustment Factors to Account for the SAFE Vehicle Rule Part One

22-Nov-19

https://ww3.arb.ca.gov/msei/emfac_off_model_adjustment_factors_final_draft.pdf?utm_medium=email&utm_source=govdelivery

Original

Adjustment Factors for EMFAC2017 Gasoline Light Duty Vehicles					
Year	**NOx Exhaust**	**TOG Evaporative**	**TOG Exhaust**	**PM Exhaust**	**CO Exhaust**
2021	1.0002	1.0001	1.0002	1.0009	1.0005
2022	1.0004	1.0003	1.0004	1.0018	1.0014
2023	1.0007	1.0006	1.0007	1.0032	1.0027
2024	1.0012	1.001	1.0011	1.0051	1.0044
2025	1.0018	1.0016	1.0016	1.0074	1.0065
2026	1.0023	1.0022	1.002	1.0091	1.0083
2027	1.0028	1.0028	1.0024	1.0105	1.0102
2028	1.0034	1.0035	1.0028	1.0117	1.012
2029	1.004	1.0042	1.0032	1.0129	1.0138
2030	1.0047	1.0051	1.0037	1.0142	1.0156
2031	1.0054	1.0061	1.0042	1.0155	1.0173
2032	1.0061	1.0072	1.0047	1.0169	1.0189
2033	1.0068	1.0083	1.0052	1.0182	1.0204
2034	1.0075	1.0095	1.0058	1.0196	1.0218
2035	1.0081	1.0108	1.0063	1.021	1.0232
2036	1.0088	1.0121	1.0069	1.0223	1.0244
2037	1.0094	1.0134	1.0074	1.0236	1.0255
2038	1.0099	1.0148	1.0079	1.0248	1.0265
2039	1.0104	1.0161	1.0085	1.0259	1.0274
2040	1.0109	1.0174	1.009	1.027	1.0281
2041	1.0113	1.0186	1.0095	1.0279	1.0288
2042	1.0116	1.0198	1.0099	1.0286	1.0294
2043	1.0119	1.0207	1.0103	1.0293	1.0299
2044	1.0122	1.0216	1.0106	1.0299	1.0303
2045	1.0124	1.0225	1.0109	1.0303	1.0306
2046	1.0125	1.0233	1.0111	1.0308	1.0309
2047	1.0127	1.024	1.0113	1.0311	1.0311
2048	1.0128	1.0246	1.0115	1.0314	1.0313
2049	1.0128	1.0252	1.0116	1.0316	1.0315
2050	1.0129	1.0257	1.0117	1.0318	1.0316

Hollywood Center
Road Dust Emission Factors

Paved Road Dust Emission Factors (Assumes No Precipitation)

Formula: $EF_{Dust,P} = (k\ (sL)^{0.91} \times (W)^{1.02})$

Where:

$EF_{Dust,P}$ = Paved Road Dust Emission Factor (having the same units as k)
k = particle size multiplier
sL = road surface silt loading (g/m^2)
W = average fleet vehicle weight (tons) (CARB uses 2.4 tons as a fleet average vehicle weight factor)

	Emission Factor (grams per VMT)	
	PM10	PM2.5
k	0.9979	0.2449
sL	0.1	0.1
W	2.4	2.4
$EF_{Dust,P}$	3.00E-01	7.36E-02

Unpaved Road Dust Emission Factors (Assumes No Precipitation)

Formula: $EF_{Dust,U} = (k\ (\ s / 12)^{1} \times (Sp / 30)^{0.5} / (M / 0.5)^{0.2}) - C)$

Where:

$EF_{Dust,U}$ = Unpaved Road Dust Emission Factor (having the same units as k)
k = particle size multiplier
s = surface material silt content (%)
Sp = mean vehicle speed (mph)
M = surface material moisture content (%)
C = Emission Factor for 1980s vehicle fleet exhaust, brake wear, and tire wear

	Emission Factor (grams per VMT)	
	PM10	PM2.5
k	816.47	81.65
s	4.3%	4.3%
Sp	15	15
M	0.5%	0.5%
C	0.00047	0.00036
$EF_{Dust,U}$	5.20E+00	5.19E-01

Sources:
SCAQMD, CalEEMod, Version 2011.1.
CARB, *Entrained Dust from Paved Road Travel: Emission Estimation Methodology Background Document* , (1997).
USEPA, *AP-42* , Fifth Edition, Volume I, Chapter 13.2.1 - Paved Roads, (2011).
ESA, 2020.

Hollywood Center Project

2. Air Quality Worksheets

Air Quality Calculation Worksheets and Model Outputs

2. Emissions Modeling Outputs and Calculations

b) Operations

(1) Unmitigated

- West Site
- East Site

(2) Mitigated

Hollywood Center
Air Quality Assessment

Regional Operational Emissions
All Residential

Maximum Unmitigated Regional Operational Emissions (pounds per day) [a]

Source	VOC	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
Area (Consumer Products, Landscaping)	34.7	1.0	83.0	0.004	0.5	0.5
Energy (Natural Gas)	0.5	4.3	2.7	0.027	0.3	0.3
Motor Vehicles	6.6	11.1	61.3	0.180	18.9	5.2
Area (Charbroiler)	0.3	-	-	-	0.9	0.5
Cooling Tower	-	-	-	-	0.2	0.2
Stationary (Emergency Generators)	3.2	59.9	34.3	0.001	0.3	0.2
Total Project On-Site and Off-Site Emissions	**45**	**76.2**	**181**	**0.212**	**21**	**7**
SCAQMD Numeric Indicators	**55.0**	**55.0**	**550.0**	**150.0**	**150.0**	**55.0**
Over/(Under)	(9.8)	21.2	(368.7)	(149.8)	(128.9)	(48.1)
Exceeds Thresholds?	**No**	**Yes**	**No**	**No**	**No**	**No**

Hollywood Center
Air Quality Assessment

Localized Operational Emissions
All Residential

Maximum Unmitigated Localized Operational Emissions (pounds per day) [a]

Source	NO_X	CO	PM_{10}	$PM_{2.5}$
Area (Consumer Products, Landscaping)	1	83	0.5	0.5
Energy (Natural Gas)	4	3	0.3	0.3
Area (Charbroiler)	-	-	0.9	0.5
Cooling Tower	-	-	0.2	0.2
Stationary (Emergency Generator)	60	34	0.3	0.2
Total Project On-Site Emissions	**65**	**120**	**2.2**	**1.8**
SCAQMD Numeric Indicators	**154.0**	**1755.0**	**3.7**	**2.0**
Over/(Under)	(89)	(1635)	(1.5)	(0.2)
Exceeds Thresholds?	**No**	**No**	**No**	**No**

Localized significance threshold from SCAQMD Look-Up tables for a 4.61-acre site in Central Los Angeles (SRA 1) with the neareast sensitive receptor at 25 meters from the Site.

Hollywood Center
Air Quality Assessment

Regional Operational Emissions
Hotel Option

Maximum Unmitigated Regional Operational Emissions (pounds per day) [a]

Source	VOC	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
Area (Consumer Products, Landscaping)	34.1	0.8	73.1	0.004	0.4	0.4
Energy (Natural Gas)	0.5	4.8	3.3	0.030	0.4	0.4
Motor Vehicles	7.8	13.1	72.4	0.212	22.4	6.1
Area (Charbroiler)	0.3	-	-	-	0.9	0.5
Cooling Tower	-	-	-	-	0.3	0.3
Stationary (Emergency Generators)	3.2	59.9	34.3	0.001	0.3	0.2
Total Project On-Site and Off-Site Emissions	**46**	**79**	**183**	**0.247**	**25**	**8**
SCAQMD Numeric Indicators	**55.0**	**55.0**	**550.0**	**150.0**	**150.0**	**55.0**
Over/(Under)	(9.1)	23.6	(367.0)	(149.8)	(125.4)	(47.1)
Exceeds Thresholds?	**No**	**Yes**	**No**	**No**	**No**	**No**

Hollywood Center
Air Quality Assessment

Localized Operational Emissions
Hotel Option

Maximum Unmitigated Localized Operational Emissions (pounds per day) [a]

Source	NO_X	CO	PM_{10}	$PM_{2.5}$
Area (Consumer Products, Landscaping)	1	73	0.4	0.4
Energy (Natural Gas)	5	3	0.4	0.4
Area (Charbroiler)	-	-	0.9	0.5
Cooling Tower	-	-	0.3	0.3
Stationary (Emergency Generator)	60	34	0.3	0.2
Total Project On-Site Emissions	**66**	**111**	**2.2**	**1.8**
SCAQMD Numeric Indicators	**154.0**	**1755.0**	**3.7**	**2.0**
Over/(Under)	(88)	(1644)	(1.5)	(0.2)
Exceeds Thresholds?	**No**	**No**	**No**	**No**

Localized significance threshold from SCAQMD Look-Up tables for a 4.61-acre site in Central Los Angeles (SRA 1) with the neareast sensitive receptor at 25 meters from the Site.

Hollywood Center
Air Quality Assessment

West Site - Regional Operational Emissions

Maximum Unmitigated Regional Operational Emissions (pounds per day) [a]

Source	VOC	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
Area (Consumer Products, Landscaping)	17.5	0.5	42.7	0.002	0.2	0.2
Energy (Natural Gas)	0.2	2.0	1.2	0.013	0.2	0.2
Motor Vehicles	3.3	5.4	30.1	0.087	8.9	2.4
Area (Charbroiler)	0.1	-	-	-	0.4	0.3
Cooling Tower	-	-	-	-	0.2	0.1
Stationary (Emergency Generators)	1.6	29.9	17.1	0.0004	0.1	0.1
Total Project On-Site and Off-Site Emissions	**23**	**38**	**91**	**0.102**	**10**	**3**
SCAQMD Numeric Indicators	**55.0**	**55.0**	**550.0**	**150.0**	**150.0**	**55.0**
Over/(Under)	(32.3)	(17.2)	(458.8)	(149.9)	(140.0)	(51.7)
Exceeds Thresholds?	**No**	**No**	**No**	**No**	**No**	**No**

Hollywood Center
Air Quality Assessment

West Site - Localized Operational Emissions

Maximum Unmitigated Localized Operational Emissions (pounds per day) [a]

Source	NO_X	CO	PM_{10}	$PM_{2.5}$
Area (Consumer Products, Landscaping)	0.5	43	0.2	0.2
Energy (Natural Gas)	2	1	0.2	0.2
Area (Charbroiler)	-	-	0.4	0.3
Cooling Tower	-	-	0.2	0.1
Stationary (Emergency Generator)	30	17	0.1	0.1
Total Project On-Site Emissions	**32**	**61**	**1.1**	**0.9**
SCAQMD Numeric Indicators	**105.0**	**1019.0**	**2.0**	**1.9**
Over/(Under)	(73)	(958)	(0.9)	(1.0)
Exceeds Thresholds?	**No**	**No**	**No**	**No**

Localized significance threshold from SCAQMD Look-Up tables for a 1.92-acre site in Central Los Angeles (SRA 1) with the neareast sensitive receptor at 25 meters from the Site.

Hollywood Center - West - Operations

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	41.60	1000sqft	0.10	41,600.00	0
Enclosed Parking with Elevator	837.00	Space	0.50	432,956.00	0
Other Non-Asphalt Surfaces	22.45	1000sqft	0.10	22,450.00	0
User Defined Parking	5.16	User Defined Unit	0.22	5,163.00	0
City Park	0.79	Acre	0.10	34,205.00	0
Fast Food Restaurant w/o Drive Thru	1.98	1000sqft	0.10	1,983.00	0
High Turnover (Sit Down Restaurant)	11.24	1000sqft	0.10	11,237.00	0
Apartments Mid Rise	68.00	Dwelling Unit	0.20	67,705.00	194
Condo/Townhouse High Rise	449.00	Dwelling Unit	0.50	581,464.00	1284

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2024
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	497	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor: California Air Resources Board, Statewide Emission Factors (EF) For Use With AB 900 Projects (Jan 2017). Linearly adjusted to 44% RPS by 2024.
Land Use - see operational assumptions

Vehicle Trips - see operational assumptions. VMT and trips provided by traffic study.

Woodstoves - see operational assumptions

Energy Use - see operational assumptions. Lighting energy intensity of Parking Lot land use used as surrogate for public open space lighting energy intensity.

Water And Wastewater - See water demand spreadsheet and water supply assessment.

Solid Waste - see operational assumptions.

Sequestration - Miscellaneous trees; 130 trees on West Site.

Energy Mitigation - The Project LEED checklist states it will be 20% more efficient than 2010 Ashrae 90.1 Standard. Therefore, compared to 2016 Title 24 Building Energy Efficiency that is based off of 2013 Ashrae 90.1 Standards, the Project will be 11.6% more efficient.
Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	44,513.00	45,115.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	133,538.00	135,344.00
tblArchitecturalCoating	ConstArea_Parking	27,634.00	26,786.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	438,189.00	437,603.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,314,567.00	1,312,808.00
tblAreaCoating	Area_Nonresidential_Exterior	44513	55738
tblAreaCoating	Area_Nonresidential_Interior	133538	167213
tblAreaCoating	Area_Parking	27634	26287
tblEnergyUse	LightingElect	0.00	0.35
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00

tblFireplaces	NumberGas	57.80	0.00
tblFireplaces	NumberGas	381.65	0.00
tblFireplaces	NumberNoFireplace	6.80	0.00
tblFireplaces	NumberNoFireplace	44.90	0.00
tblFireplaces	NumberWood	3.40	0.00
tblFireplaces	NumberWood	22.45	0.00
tblLandUse	LandUseSquareFeet	334,800.00	432,956.00
tblLandUse	LandUseSquareFeet	0.00	5,163.00
tblLandUse	LandUseSquareFeet	34,412.40	34,205.00
tblLandUse	LandUseSquareFeet	1,980.00	1,983.00
tblLandUse	LandUseSquareFeet	11,240.00	11,237.00
tblLandUse	LandUseSquareFeet	68,000.00	67,705.00
tblLandUse	LandUseSquareFeet	449,000.00	581,464.00
tblLandUse	LotAcreage	0.96	0.10
tblLandUse	LotAcreage	7.53	0.50
tblLandUse	LotAcreage	0.52	0.10
tblLandUse	LotAcreage	0.00	0.22
tblLandUse	LotAcreage	0.79	0.10
tblLandUse	LotAcreage	0.05	0.10
tblLandUse	LotAcreage	0.26	0.10
tblLandUse	LotAcreage	1.79	0.20
tblLandUse	LotAcreage	7.02	0.50
tblProjectCharacteristics	CO2IntensityFactor	1227.89	497
tblSequestration	NumberOfNewTrees	0.00	130.00
tblSolidWaste	SolidWasteGenerationRate	31.28	62.05
tblSolidWaste	SolidWasteGenerationRate	0.07	0.00
tblSolidWaste	SolidWasteGenerationRate	206.54	1,002.16
tblSolidWaste	SolidWasteGenerationRate	22.81	1.81
tblSolidWaste	SolidWasteGenerationRate	38.69	0.00
tblSolidWaste	SolidWasteGenerationRate	133.76	10.25

tblTripsAndVMT	VendorTripNumber	145.00	143.00
tblTripsAndVMT	WorkerTripNumber	599.00	593.00
tblTripsAndVMT	WorkerTripNumber	120.00	119.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	4.31	0.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	3.43	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	4.18	0.00
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	127.15	0.00
tblWater	IndoorWaterUseRate	4,430,473.74	2,730,126.00
tblWater	IndoorWaterUseRate	29,254,157.50	18,026,861.00
tblWater	IndoorWaterUseRate	600,996.75	0.00

tblWater	IndoorWaterUseRate	7,393,723.92	1,570,890.00
tblWater	IndoorWaterUseRate	3,411,718.93	4,922,930.00
tblWater	OutdoorWaterUseRate	2,793,124.75	0.00
tblWater	OutdoorWaterUseRate	941,270.27	179,870.00
tblWater	OutdoorWaterUseRate	18,442,838.43	0.00
tblWater	OutdoorWaterUseRate	0.00	89,382.00
tblWater	OutdoorWaterUseRate	38,361.49	0.00
tblWater	OutdoorWaterUseRate	4,531,637.24	0.00
tblWater	OutdoorWaterUseRate	217,769.29	0.00
tblWater	OutdoorWaterUseRate	0.00	84,956.00
tblWoodstoves	NumberCatalytic	3.40	0.00
tblWoodstoves	NumberCatalytic	22.45	0.00
tblWoodstoves	NumberNoncatalytic	3.40	0.00
tblWoodstoves	NumberNoncatalytic	22.45	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	17.4994	0.4921	42.7290	2.2600e-003		0.2366	0.2366		0.2366	0.2366	0.0000	77.0029	77.0029	0.0742	0.0000	78.8583
Energy	0.2437	2.1389	1.2980	0.0133		0.1684	0.1684		0.1684	0.1684		2,658.7788	2,658.7788	0.0510	0.0487	2,674.5786
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**17.7431**	**2.6309**	**44.0270**	**0.0156**	**0.0000**	**0.4050**	**0.4050**	**0.0000**	**0.4050**	**0.4050**	**0.0000**	**2,735.7817**	**2,735.7817**	**0.1252**	**0.0487**	**2,753.4369**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	17.4994	0.4921	42.7290	2.2600e-003		0.2366	0.2366		0.2366	0.2366	0.0000	77.0029	77.0029	0.0742	0.0000	78.8583
Energy	0.2326	2.0418	1.2439	0.0127		0.1607	0.1607		0.1607	0.1607		2,537.1682	2,537.1682	0.0486	0.0465	2,552.2453
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**17.7319**	**2.5338**	**43.9730**	**0.0150**	**0.0000**	**0.3973**	**0.3973**	**0.0000**	**0.3973**	**0.3973**	**0.0000**	**2,614.1711**	**2,614.1711**	**0.1229**	**0.0465**	**2,631.1037**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.06**	**3.69**	**0.12**	**3.86**	**0.00**	**1.90**	**1.90**	**0.00**	**1.90**	**1.90**	**0.00**	**4.45**	**4.45**	**1.86**	**4.58**	**4.44**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
User Defined Parking	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Fast Food Restaurant w/o Drive Thru	16.60	8.40	6.90	1.50	79.50	19.00	51	37	12
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down Restaurant)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Parking	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
City Park	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Condo/Townhouse High Rise	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Enclosed Parking with Elevator	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Fast Food Restaurant w/o Drive Thru	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
General Office Building	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
High Turnover (Sit Down Restaurant)	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Other Non-Asphalt Surfaces	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
User Defined Parking	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2326	2.0418	1.2439	0.0127		0.1607	0.1607		0.1607	0.1607		2,537.1682	2,537.1682	0.0486	0.0465	2,552.2453
NaturalGas Unmitigated	0.2437	2.1389	1.2980	0.0133		0.1684	0.1684		0.1684	0.1684		2,658.7788	2,658.7788	0.0510	0.0487	2,674.5786

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	1717.13	0.0185	0.1583	0.0673	1.0100e-003		0.0128	0.0128		0.0128	0.0128		202.0151	202.0151	3.8700e-003	3.7000e-003	203.2156
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	11338.1	0.1223	1.0449	0.4446	6.6700e-003		0.0845	0.0845		0.0845	0.0845		1,333.8940	1,333.8940	0.0256	0.0245	1,341.8206
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	1253.69	0.0135	0.1229	0.1033	7.4000e-004		9.3400e-003	9.3400e-003		9.3400e-003	9.3400e-003		147.4930	147.4930	2.8300e-003	2.7000e-003	148.3695
General Office Building	1186.45	0.0128	0.1163	0.0977	7.0000e-004		8.8400e-003	8.8400e-003		8.8400e-003	8.8400e-003		139.5829	139.5829	2.6800e-003	2.5600e-003	140.4124
High Turnover (Sit Down Restaurant)	7104.25	0.0766	0.6965	0.5851	4.1800e-003		0.0529	0.0529		0.0529	0.0529		835.7938	835.7938	0.0160	0.0153	840.7605
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.2437**	**2.1389**	**1.2980**	**0.0133**		**0.1684**	**0.1684**		**0.1684**	**0.1684**		**2,658.7788**	**2,658.7788**	**0.0510**	**0.0487**	**2,674.5786**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	1.62234	0.0175	0.1495	0.0636	9.5000e-004		0.0121	0.0121		0.0121	0.0121		190.8640	190.8640	3.6600e-003	3.5000e-003	191.9982
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	10.7122	0.1155	0.9872	0.4201	6.3000e-003		0.0798	0.0798		0.0798	0.0798		1,260.2639	1,260.2639	0.0242	0.0231	1,267.7530
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	1.2266	0.0132	0.1203	0.1010	7.2000e-004		9.1400e-003	9.1400e-003		9.1400e-003	9.1400e-003		144.3064	144.3064	2.7700e-003	2.6500e-003	145.1639
General Office Building	1.05398	0.0114	0.1033	0.0868	6.2000e-004		7.8500e-003	7.8500e-003		7.8500e-003	7.8500e-003		123.9979	123.9979	2.3800e-003	2.2700e-003	124.7348
High Turnover (Sit Down Restaurant)	6.95076	0.0750	0.6815	0.5724	4.0900e-003		0.0518	0.0518		0.0518	0.0518		817.7360	817.7360	0.0157	0.0150	822.5954
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.2326**	**2.0418**	**1.2439**	**0.0127**		**0.1607**	**0.1607**		**0.1607**	**0.1607**		**2,537.1682**	**2,537.1682**	**0.0486**	**0.0465**	**2,552.2453**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	17.4994	0.4921	42.7290	2.2600e-003		0.2366	0.2366		0.2366	0.2366	0.0000	77.0029	77.0029	0.0742	0.0000	78.8583
Unmitigated	17.4994	0.4921	42.7290	2.2600e-003		0.2366	0.2366		0.2366	0.2366	0.0000	77.0029	77.0029	0.0742	0.0000	78.8583

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.4294					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	14.7794					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2906	0.4921	42.7290	2.2600e-003		0.2366	0.2366		0.2366	0.2366		77.0029	77.0029	0.0742		78.8583
Total	**17.4994**	**0.4921**	**42.7290**	**2.2600e-003**		**0.2366**	**0.2366**		**0.2366**	**0.2366**	**0.0000**	**77.0029**	**77.0029**	**0.0742**	**0.0000**	**78.8583**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.4294					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	14.7794					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2906	0.4921	42.7290	2.2600e-003		0.2366	0.2366		0.2366	0.2366		77.0029	77.0029	0.0742		78.8583
Total	**17.4994**	**0.4921**	**42.7290**	**2.2600e-003**		**0.2366**	**0.2366**		**0.2366**	**0.2366**	**0.0000**	**77.0029**	**77.0029**	**0.0742**	**0.0000**	**78.8583**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Hollywood Center - West - Operations

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	41.60	1000sqft	0.10	41,600.00	0
Enclosed Parking with Elevator	837.00	Space	0.50	432,956.00	0
Other Non-Asphalt Surfaces	22.45	1000sqft	0.10	22,450.00	0
User Defined Parking	5.16	User Defined Unit	0.22	5,163.00	0
City Park	0.79	Acre	0.10	34,205.00	0
Fast Food Restaurant w/o Drive Thru	1.98	1000sqft	0.10	1,983.00	0
High Turnover (Sit Down Restaurant)	11.24	1000sqft	0.10	11,237.00	0
Apartments Mid Rise	68.00	Dwelling Unit	0.20	67,705.00	194
Condo/Townhouse High Rise	449.00	Dwelling Unit	0.50	581,464.00	1284

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2024
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	497	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor: California Air Resources Board, Statewide Emission Factors (EF) For Use With AB 900 Projects (Jan 2017). Linearly adjusted to 44% RPS by 2024.

Land Use - see operational assumptions

Vehicle Trips - see operational assumptions. VMT and trips provided by traffic study.

Woodstoves - see operational assumptions

Energy Use - see operational assumptions. Lighting energy intensity of Parking Lot land use used as surrogate for public open space lighting energy intensity.

Water And Wastewater - See water demand spreadsheet and water supply assessment.

Solid Waste - see operational assumptions.

Sequestration - Miscellaneous trees; 130 trees on West Site.

Energy Mitigation - The Project LEED checklist states it will be 20% more efficient than 2010 Ashrae 90.1 Standard. Therefore, compared to 2016 Title 24 Building Energy Efficiency that is based off of 2013 Ashrae 90.1 Standards, the Project will be 11.6% more efficient.

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	44,513.00	45,115.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	133,538.00	135,344.00
tblArchitecturalCoating	ConstArea_Parking	27,634.00	26,786.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	438,189.00	437,603.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,314,567.00	1,312,808.00
tblAreaCoating	Area_Nonresidential_Exterior	44513	55738
tblAreaCoating	Area_Nonresidential_Interior	133538	167213
tblAreaCoating	Area_Parking	27634	26287
tblEnergyUse	LightingElect	0.00	0.35
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00

tblFireplaces	NumberGas	57.80	0.00
tblFireplaces	NumberGas	381.65	0.00
tblFireplaces	NumberNoFireplace	6.80	0.00
tblFireplaces	NumberNoFireplace	44.90	0.00
tblFireplaces	NumberWood	3.40	0.00
tblFireplaces	NumberWood	22.45	0.00
tblLandUse	LandUseSquareFeet	334,800.00	432,956.00
tblLandUse	LandUseSquareFeet	0.00	5,163.00
tblLandUse	LandUseSquareFeet	34,412.40	34,205.00
tblLandUse	LandUseSquareFeet	1,980.00	1,983.00
tblLandUse	LandUseSquareFeet	11,240.00	11,237.00
tblLandUse	LandUseSquareFeet	68,000.00	67,705.00
tblLandUse	LandUseSquareFeet	449,000.00	581,464.00
tblLandUse	LotAcreage	0.96	0.10
tblLandUse	LotAcreage	7.53	0.50
tblLandUse	LotAcreage	0.52	0.10
tblLandUse	LotAcreage	0.00	0.22
tblLandUse	LotAcreage	0.79	0.10
tblLandUse	LotAcreage	0.05	0.10
tblLandUse	LotAcreage	0.26	0.10
tblLandUse	LotAcreage	1.79	0.20
tblLandUse	LotAcreage	7.02	0.50
tblProjectCharacteristics	CO2IntensityFactor	1227.89	497
tblSequestration	NumberOfNewTrees	0.00	130.00
tblSolidWaste	SolidWasteGenerationRate	31.28	62.05
tblSolidWaste	SolidWasteGenerationRate	0.07	0.00
tblSolidWaste	SolidWasteGenerationRate	206.54	1,002.16
tblSolidWaste	SolidWasteGenerationRate	22.81	1.81
tblSolidWaste	SolidWasteGenerationRate	38.69	0.00
tblSolidWaste	SolidWasteGenerationRate	133.76	10.25

tblTripsAndVMT	VendorTripNumber	145.00	143.00
tblTripsAndVMT	WorkerTripNumber	599.00	593.00
tblTripsAndVMT	WorkerTripNumber	120.00	119.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	4.31	0.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	3.43	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	4.18	0.00
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	127.15	0.00
tblWater	IndoorWaterUseRate	4,430,473.74	2,730,126.00
tblWater	IndoorWaterUseRate	29,254,157.50	18,026,861.00
tblWater	IndoorWaterUseRate	600,996.75	0.00

tblWater	IndoorWaterUseRate	7,393,723.92	1,570,890.00
tblWater	IndoorWaterUseRate	3,411,718.93	4,922,930.00
tblWater	OutdoorWaterUseRate	2,793,124.75	0.00
tblWater	OutdoorWaterUseRate	941,270.27	179,870.00
tblWater	OutdoorWaterUseRate	18,442,838.43	0.00
tblWater	OutdoorWaterUseRate	0.00	89,382.00
tblWater	OutdoorWaterUseRate	38,361.49	0.00
tblWater	OutdoorWaterUseRate	4,531,637.24	0.00
tblWater	OutdoorWaterUseRate	217,769.29	0.00
tblWater	OutdoorWaterUseRate	0.00	84,956.00
tblWoodstoves	NumberCatalytic	3.40	0.00
tblWoodstoves	NumberCatalytic	22.45	0.00
tblWoodstoves	NumberNoncatalytic	3.40	0.00
tblWoodstoves	NumberNoncatalytic	22.45	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	17.4994	0.4921	42.7290	2.2600e-003		0.2366	0.2366		0.2366	0.2366	0.0000	77.0029	77.0029	0.0742	0.0000	78.8583
Energy	0.2437	2.1389	1.2980	0.0133		0.1684	0.1684		0.1684	0.1684		2,658.7788	2,658.7788	0.0510	0.0487	2,674.5786
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**17.7431**	**2.6309**	**44.0270**	**0.0156**	**0.0000**	**0.4050**	**0.4050**	**0.0000**	**0.4050**	**0.4050**	**0.0000**	**2,735.7817**	**2,735.7817**	**0.1252**	**0.0487**	**2,753.4369**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	17.4994	0.4921	42.7290	2.2600e-003		0.2366	0.2366		0.2366	0.2366	0.0000	77.0029	77.0029	0.0742	0.0000	78.8583
Energy	0.2326	2.0418	1.2439	0.0127		0.1607	0.1607		0.1607	0.1607		2,537.1682	2,537.1682	0.0486	0.0465	2,552.2453
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**17.7319**	**2.5338**	**43.9730**	**0.0150**	**0.0000**	**0.3973**	**0.3973**	**0.0000**	**0.3973**	**0.3973**	**0.0000**	**2,614.1711**	**2,614.1711**	**0.1229**	**0.0465**	**2,631.1037**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.06**	**3.69**	**0.12**	**3.86**	**0.00**	**1.90**	**1.90**	**0.00**	**1.90**	**1.90**	**0.00**	**4.45**	**4.45**	**1.86**	**4.58**	**4.44**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
User Defined Parking	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Fast Food Restaurant w/o Drive Thru	16.60	8.40	6.90	1.50	79.50	19.00	51	37	12
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down Restaurant)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Parking	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
City Park	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Condo/Townhouse High Rise	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Enclosed Parking with Elevator	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Fast Food Restaurant w/o Drive Thru	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
General Office Building	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
High Turnover (Sit Down Restaurant)	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Other Non-Asphalt Surfaces	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
User Defined Parking	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2326	2.0418	1.2439	0.0127		0.1607	0.1607		0.1607	0.1607		2,537.1682	2,537.1682	0.0486	0.0465	2,552.2453
NaturalGas Unmitigated	0.2437	2.1389	1.2980	0.0133		0.1684	0.1684		0.1684	0.1684		2,658.7788	2,658.7788	0.0510	0.0487	2,674.5786

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	1717.13	0.0185	0.1583	0.0673	1.0100e-003		0.0128	0.0128		0.0128	0.0128		202.0151	202.0151	3.8700e-003	3.7000e-003	203.2156
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	11338.1	0.1223	1.0449	0.4446	6.6700e-003		0.0845	0.0845		0.0845	0.0845		1,333.8940	1,333.8940	0.0256	0.0245	1,341.8206
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	1253.69	0.0135	0.1229	0.1033	7.4000e-004		9.3400e-003	9.3400e-003		9.3400e-003	9.3400e-003		147.4930	147.4930	2.8300e-003	2.7000e-003	148.3695
General Office Building	1186.45	0.0128	0.1163	0.0977	7.0000e-004		8.8400e-003	8.8400e-003		8.8400e-003	8.8400e-003		139.5829	139.5829	2.6800e-003	2.5600e-003	140.4124
High Turnover (Sit Down Restaurant)	7104.25	0.0766	0.6965	0.5851	4.1800e-003		0.0529	0.0529		0.0529	0.0529		835.7938	835.7938	0.0160	0.0153	840.7605
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.2437**	**2.1389**	**1.2980**	**0.0133**		**0.1684**	**0.1684**		**0.1684**	**0.1684**		**2,658.7788**	**2,658.7788**	**0.0510**	**0.0487**	**2,674.5786**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	1.62234	0.0175	0.1495	0.0636	9.5000e-004		0.0121	0.0121		0.0121	0.0121		190.8640	190.8640	3.6600e-003	3.5000e-003	191.9982
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	10.7122	0.1155	0.9872	0.4201	6.3000e-003		0.0798	0.0798		0.0798	0.0798		1,260.2639	1,260.2639	0.0242	0.0231	1,267.7530
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	1.2266	0.0132	0.1203	0.1010	7.2000e-004		9.1400e-003	9.1400e-003		9.1400e-003	9.1400e-003		144.3064	144.3064	2.7700e-003	2.6500e-003	145.1639
General Office Building	1.05398	0.0114	0.1033	0.0868	6.2000e-004		7.8500e-003	7.8500e-003		7.8500e-003	7.8500e-003		123.9979	123.9979	2.3800e-003	2.2700e-003	124.7348
High Turnover (Sit Down Restaurant)	6.95076	0.0750	0.6815	0.5724	4.0900e-003		0.0518	0.0518		0.0518	0.0518		817.7360	817.7360	0.0157	0.0150	822.5954
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.2326**	**2.0418**	**1.2439**	**0.0127**		**0.1607**	**0.1607**		**0.1607**	**0.1607**		**2,537.1682**	**2,537.1682**	**0.0486**	**0.0465**	**2,552.2453**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	17.4994	0.4921	42.7290	2.2600e-003		0.2366	0.2366		0.2366	0.2366	0.0000	77.0029	77.0029	0.0742	0.0000	78.8583
Unmitigated	17.4994	0.4921	42.7290	2.2600e-003		0.2366	0.2366		0.2366	0.2366	0.0000	77.0029	77.0029	0.0742	0.0000	78.8583

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.4294					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	14.7794					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2906	0.4921	42.7290	2.2600e-003		0.2366	0.2366		0.2366	0.2366		77.0029	77.0029	0.0742		78.8583
Total	**17.4994**	**0.4921**	**42.7290**	**2.2600e-003**		**0.2366**	**0.2366**		**0.2366**	**0.2366**	**0.0000**	**77.0029**	**77.0029**	**0.0742**	**0.0000**	**78.8583**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.4294					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	14.7794					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2906	0.4921	42.7290	2.2600e-003		0.2366	0.2366		0.2366	0.2366		77.0029	77.0029	0.0742		78.8583
Total	**17.4994**	**0.4921**	**42.7290**	**2.2600e-003**		**0.2366**	**0.2366**		**0.2366**	**0.2366**	**0.0000**	**77.0029**	**77.0029**	**0.0742**	**0.0000**	**78.8583**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Hollywood Center - West - Operations

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	41.60	1000sqft	0.10	41,600.00	0
Enclosed Parking with Elevator	837.00	Space	0.50	432,956.00	0
Other Non-Asphalt Surfaces	22.45	1000sqft	0.10	22,450.00	0
User Defined Parking	5.16	User Defined Unit	0.22	5,163.00	0
City Park	0.79	Acre	0.10	34,205.00	0
Fast Food Restaurant w/o Drive Thru	1.98	1000sqft	0.10	1,983.00	0
High Turnover (Sit Down Restaurant)	11.24	1000sqft	0.10	11,237.00	0
Apartments Mid Rise	68.00	Dwelling Unit	0.20	67,705.00	194
Condo/Townhouse High Rise	449.00	Dwelling Unit	0.50	581,464.00	1284

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	497	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor: California Air Resources Board, Statewide Emission Factors (EF) For Use With AB 900 Projects (Jan 2017). Linearly adjusted to 44% RPS by 2024.
Land Use - see operational assumptions

Vehicle Trips - see operational assumptions. VMT and trips provided by traffic study.

Woodstoves - see operational assumptions

Energy Use - see operational assumptions. Lighting energy intensity of Parking Lot land use used as surrogate for public open space lighting energy intensity.

Water And Wastewater - See water demand spreadsheet and water supply assessment.

Solid Waste - see operational assumptions.

Sequestration - Miscellaneous trees; 130 trees on West Site.

Energy Mitigation - The Project LEED checklist states it will be 20% more efficient than 2010 Ashrae 90.1 Standard. Therefore, compared to 2016 Title 24 Building Energy Efficiency that is based off of 2013 Ashrae 90.1 Standards, the Project will be 11.6% more efficient.
Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	44,513.00	45,115.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	133,538.00	135,344.00
tblArchitecturalCoating	ConstArea_Parking	27,634.00	26,786.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	438,189.00	437,603.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,314,567.00	1,312,808.00
tblAreaCoating	Area_Nonresidential_Exterior	44513	55738
tblAreaCoating	Area_Nonresidential_Interior	133538	167213
tblAreaCoating	Area_Parking	27634	26287
tblEnergyUse	LightingElect	0.00	0.35
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00

tblFireplaces	NumberGas	57.80	0.00
tblFireplaces	NumberGas	381.65	0.00
tblFireplaces	NumberNoFireplace	6.80	0.00
tblFireplaces	NumberNoFireplace	44.90	0.00
tblFireplaces	NumberWood	3.40	0.00
tblFireplaces	NumberWood	22.45	0.00
tblLandUse	LandUseSquareFeet	334,800.00	432,956.00
tblLandUse	LandUseSquareFeet	0.00	5,163.00
tblLandUse	LandUseSquareFeet	34,412.40	34,205.00
tblLandUse	LandUseSquareFeet	1,980.00	1,983.00
tblLandUse	LandUseSquareFeet	11,240.00	11,237.00
tblLandUse	LandUseSquareFeet	68,000.00	67,705.00
tblLandUse	LandUseSquareFeet	449,000.00	581,464.00
tblLandUse	LotAcreage	0.96	0.10
tblLandUse	LotAcreage	7.53	0.50
tblLandUse	LotAcreage	0.52	0.10
tblLandUse	LotAcreage	0.00	0.22
tblLandUse	LotAcreage	0.79	0.10
tblLandUse	LotAcreage	0.05	0.10
tblLandUse	LotAcreage	0.26	0.10
tblLandUse	LotAcreage	1.79	0.20
tblLandUse	LotAcreage	7.02	0.50
tblProjectCharacteristics	CO2IntensityFactor	1227.89	497
tblSequestration	NumberOfNewTrees	0.00	130.00
tblSolidWaste	SolidWasteGenerationRate	31.28	62.05
tblSolidWaste	SolidWasteGenerationRate	0.07	0.00
tblSolidWaste	SolidWasteGenerationRate	206.54	1,002.16
tblSolidWaste	SolidWasteGenerationRate	22.81	1.81
tblSolidWaste	SolidWasteGenerationRate	38.69	0.00
tblSolidWaste	SolidWasteGenerationRate	133.76	10.25

tblTripsAndVMT	VendorTripNumber	145.00	143.00
tblTripsAndVMT	WorkerTripNumber	599.00	593.00
tblTripsAndVMT	WorkerTripNumber	120.00	119.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	4.31	0.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	3.43	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	4.18	0.00
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	127.15	0.00
tblWater	IndoorWaterUseRate	4,430,473.74	2,730,126.00
tblWater	IndoorWaterUseRate	29,254,157.50	18,026,861.00
tblWater	IndoorWaterUseRate	600,996.75	0.00

tblWater	IndoorWaterUseRate	7,393,723.92	1,570,890.00
tblWater	IndoorWaterUseRate	3,411,718.93	4,922,930.00
tblWater	OutdoorWaterUseRate	2,793,124.75	0.00
tblWater	OutdoorWaterUseRate	941,270.27	179,870.00
tblWater	OutdoorWaterUseRate	18,442,838.43	0.00
tblWater	OutdoorWaterUseRate	0.00	89,382.00
tblWater	OutdoorWaterUseRate	38,361.49	0.00
tblWater	OutdoorWaterUseRate	4,531,637.24	0.00
tblWater	OutdoorWaterUseRate	217,769.29	0.00
tblWater	OutdoorWaterUseRate	0.00	84,956.00
tblWoodstoves	NumberCatalytic	3.40	0.00
tblWoodstoves	NumberCatalytic	22.45	0.00
tblWoodstoves	NumberNoncatalytic	3.40	0.00
tblWoodstoves	NumberNoncatalytic	22.45	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	17.4968	0.4917	42.7065	2.2600e-003		0.2368	0.2368		0.2368	0.2368	0.0000	77.0029	77.0029	0.0741	0.0000	78.8547
Energy	0.2437	2.1389	1.2980	0.0133		0.1684	0.1684		0.1684	0.1684		2,658.7788	2,658.7788	0.0510	0.0487	2,674.5786
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**17.7405**	**2.6306**	**44.0044**	**0.0156**	**0.0000**	**0.4052**	**0.4052**	**0.0000**	**0.4052**	**0.4052**	**0.0000**	**2,735.7817**	**2,735.7817**	**0.1250**	**0.0487**	**2,753.4333**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	17.4968	0.4917	42.7065	2.2600e-003		0.2368	0.2368		0.2368	0.2368	0.0000	77.0029	77.0029	0.0741	0.0000	78.8547
Energy	0.2326	2.0418	1.2439	0.0127		0.1607	0.1607		0.1607	0.1607		2,537.1682	2,537.1682	0.0486	0.0465	2,552.2453
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**17.7294**	**2.5335**	**43.9504**	**0.0150**	**0.0000**	**0.3975**	**0.3975**	**0.0000**	**0.3975**	**0.3975**	**0.0000**	**2,614.1711**	**2,614.1711**	**0.1227**	**0.0465**	**2,631.1000**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.06**	**3.69**	**0.12**	**3.86**	**0.00**	**1.90**	**1.90**	**0.00**	**1.90**	**1.90**	**0.00**	**4.45**	**4.45**	**1.86**	**4.58**	**4.44**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
User Defined Parking	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Fast Food Restaurant w/o Drive Thru	16.60	8.40	6.90	1.50	79.50	19.00	51	37	12
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down Restaurant)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Parking	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
City Park	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Condo/Townhouse High Rise	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Enclosed Parking with Elevator	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Fast Food Restaurant w/o Drive Thru	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
General Office Building	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
High Turnover (Sit Down Restaurant)	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Other Non-Asphalt Surfaces	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
User Defined Parking	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2326	2.0418	1.2439	0.0127		0.1607	0.1607		0.1607	0.1607		2,537.1682	2,537.1682	0.0486	0.0465	2,552.2453
NaturalGas Unmitigated	0.2437	2.1389	1.2980	0.0133		0.1684	0.1684		0.1684	0.1684		2,658.7788	2,658.7788	0.0510	0.0487	2,674.5786

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	1717.13	0.0185	0.1583	0.0673	1.0100e-003		0.0128	0.0128		0.0128	0.0128		202.0151	202.0151	3.8700e-003	3.7000e-003	203.2156
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	11338.1	0.1223	1.0449	0.4446	6.6700e-003		0.0845	0.0845		0.0845	0.0845		1,333.8940	1,333.8940	0.0256	0.0245	1,341.8206
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	1253.69	0.0135	0.1229	0.1033	7.4000e-004		9.3400e-003	9.3400e-003		9.3400e-003	9.3400e-003		147.4930	147.4930	2.8300e-003	2.7000e-003	148.3695
General Office Building	1186.45	0.0128	0.1163	0.0977	7.0000e-004		8.8400e-003	8.8400e-003		8.8400e-003	8.8400e-003		139.5829	139.5829	2.6800e-003	2.5600e-003	140.4124
High Turnover (Sit Down Restaurant)	7104.25	0.0766	0.6965	0.5851	4.1800e-003		0.0529	0.0529		0.0529	0.0529		835.7938	835.7938	0.0160	0.0153	840.7605
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.2437**	**2.1389**	**1.2980**	**0.0133**		**0.1684**	**0.1684**		**0.1684**	**0.1684**		**2,658.7788**	**2,658.7788**	**0.0510**	**0.0487**	**2,674.5786**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	1.62234	0.0175	0.1495	0.0636	9.5000e-004		0.0121	0.0121		0.0121	0.0121		190.8640	190.8640	3.6600e-003	3.5000e-003	191.9982
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	10.7122	0.1155	0.9872	0.4201	6.3000e-003		0.0798	0.0798		0.0798	0.0798		1,260.2639	1,260.2639	0.0242	0.0231	1,267.7530
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	1.2266	0.0132	0.1203	0.1010	7.2000e-004		9.1400e-003	9.1400e-003		9.1400e-003	9.1400e-003		144.3064	144.3064	2.7700e-003	2.6500e-003	145.1639
General Office Building	1.05398	0.0114	0.1033	0.0868	6.2000e-004		7.8500e-003	7.8500e-003		7.8500e-003	7.8500e-003		123.9979	123.9979	2.3800e-003	2.2700e-003	124.7348
High Turnover (Sit Down Restaurant)	6.95076	0.0750	0.6815	0.5724	4.0900e-003		0.0518	0.0518		0.0518	0.0518		817.7360	817.7360	0.0157	0.0150	822.5954
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.2326**	**2.0418**	**1.2439**	**0.0127**		**0.1607**	**0.1607**		**0.1607**	**0.1607**		**2,537.1682**	**2,537.1682**	**0.0486**	**0.0465**	**2,552.2453**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	17.4968	0.4917	42.7065	2.2600e-003		0.2368	0.2368		0.2368	0.2368	0.0000	77.0029	77.0029	0.0741	0.0000	78.8547
Unmitigated	17.4968	0.4917	42.7065	2.2600e-003		0.2368	0.2368		0.2368	0.2368	0.0000	77.0029	77.0029	0.0741	0.0000	78.8547

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.4294					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	14.7794					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2881	0.4917	42.7065	2.2600e-003		0.2368	0.2368		0.2368	0.2368		77.0029	77.0029	0.0741		78.8547
Total	**17.4968**	**0.4917**	**42.7065**	**2.2600e-003**		**0.2368**	**0.2368**		**0.2368**	**0.2368**	**0.0000**	**77.0029**	**77.0029**	**0.0741**	**0.0000**	**78.8547**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.4294					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	14.7794					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2881	0.4917	42.7065	2.2600e-003		0.2368	0.2368		0.2368	0.2368		77.0029	77.0029	0.0741		78.8547
Total	**17.4968**	**0.4917**	**42.7065**	**2.2600e-003**		**0.2368**	**0.2368**		**0.2368**	**0.2368**	**0.0000**	**77.0029**	**77.0029**	**0.0741**	**0.0000**	**78.8547**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Hollywood Center - West - Operations

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	41.60	1000sqft	0.10	41,600.00	0
Enclosed Parking with Elevator	837.00	Space	0.50	432,956.00	0
Other Non-Asphalt Surfaces	22.45	1000sqft	0.10	22,450.00	0
User Defined Parking	5.16	User Defined Unit	0.22	5,163.00	0
City Park	0.79	Acre	0.10	34,205.00	0
Fast Food Restaurant w/o Drive Thru	1.98	1000sqft	0.10	1,983.00	0
High Turnover (Sit Down Restaurant)	11.24	1000sqft	0.10	11,237.00	0
Apartments Mid Rise	68.00	Dwelling Unit	0.20	67,705.00	194
Condo/Townhouse High Rise	449.00	Dwelling Unit	0.50	581,464.00	1284

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	497	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor: California Air Resources Board, Statewide Emission Factors (EF) For Use With AB 900 Projects (Jan 2017). Linearly adjusted to 44% RPS by 2024.

Land Use - see operational assumptions

Vehicle Trips - see operational assumptions. VMT and trips provided by traffic study.

Woodstoves - see operational assumptions

Energy Use - see operational assumptions. Lighting energy intensity of Parking Lot land use used as surrogate for public open space lighting energy intensity.

Water And Wastewater - See water demand spreadsheet and water supply assessment.

Solid Waste - see operational assumptions.

Sequestration - Miscellaneous trees; 130 trees on West Site.

Energy Mitigation - The Project LEED checklist states it will be 20% more efficient than 2010 Ashrae 90.1 Standard. Therefore, compared to 2016 Title 24 Building Energy Efficiency that is based off of 2013 Ashrae 90.1 Standards, the Project will be 11.6% more efficient.

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	44,513.00	45,115.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	133,538.00	135,344.00
tblArchitecturalCoating	ConstArea_Parking	27,634.00	26,786.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	438,189.00	437,603.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,314,567.00	1,312,808.00
tblAreaCoating	Area_Nonresidential_Exterior	44513	55738
tblAreaCoating	Area_Nonresidential_Interior	133538	167213
tblAreaCoating	Area_Parking	27634	26287
tblEnergyUse	LightingElect	0.00	0.35
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00

tblFireplaces	NumberGas	57.80	0.00
tblFireplaces	NumberGas	381.65	0.00
tblFireplaces	NumberNoFireplace	6.80	0.00
tblFireplaces	NumberNoFireplace	44.90	0.00
tblFireplaces	NumberWood	3.40	0.00
tblFireplaces	NumberWood	22.45	0.00
tblLandUse	LandUseSquareFeet	334,800.00	432,956.00
tblLandUse	LandUseSquareFeet	0.00	5,163.00
tblLandUse	LandUseSquareFeet	34,412.40	34,205.00
tblLandUse	LandUseSquareFeet	1,980.00	1,983.00
tblLandUse	LandUseSquareFeet	11,240.00	11,237.00
tblLandUse	LandUseSquareFeet	68,000.00	67,705.00
tblLandUse	LandUseSquareFeet	449,000.00	581,464.00
tblLandUse	LotAcreage	0.96	0.10
tblLandUse	LotAcreage	7.53	0.50
tblLandUse	LotAcreage	0.52	0.10
tblLandUse	LotAcreage	0.00	0.22
tblLandUse	LotAcreage	0.79	0.10
tblLandUse	LotAcreage	0.05	0.10
tblLandUse	LotAcreage	0.26	0.10
tblLandUse	LotAcreage	1.79	0.20
tblLandUse	LotAcreage	7.02	0.50
tblProjectCharacteristics	CO2IntensityFactor	1227.89	497
tblSequestration	NumberOfNewTrees	0.00	130.00
tblSolidWaste	SolidWasteGenerationRate	31.28	62.05
tblSolidWaste	SolidWasteGenerationRate	0.07	0.00
tblSolidWaste	SolidWasteGenerationRate	206.54	1,002.16
tblSolidWaste	SolidWasteGenerationRate	22.81	1.81
tblSolidWaste	SolidWasteGenerationRate	38.69	0.00
tblSolidWaste	SolidWasteGenerationRate	133.76	10.25

tblTripsAndVMT	VendorTripNumber	145.00	143.00
tblTripsAndVMT	WorkerTripNumber	599.00	593.00
tblTripsAndVMT	WorkerTripNumber	120.00	119.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	4.31	0.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	3.43	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	4.18	0.00
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	127.15	0.00
tblWater	IndoorWaterUseRate	4,430,473.74	2,730,126.00
tblWater	IndoorWaterUseRate	29,254,157.50	18,026,861.00
tblWater	IndoorWaterUseRate	600,996.75	0.00

tblWater	IndoorWaterUseRate	7,393,723.92	1,570,890.00
tblWater	IndoorWaterUseRate	3,411,718.93	4,922,930.00
tblWater	OutdoorWaterUseRate	2,793,124.75	0.00
tblWater	OutdoorWaterUseRate	941,270.27	179,870.00
tblWater	OutdoorWaterUseRate	18,442,838.43	0.00
tblWater	OutdoorWaterUseRate	0.00	89,382.00
tblWater	OutdoorWaterUseRate	38,361.49	0.00
tblWater	OutdoorWaterUseRate	4,531,637.24	0.00
tblWater	OutdoorWaterUseRate	217,769.29	0.00
tblWater	OutdoorWaterUseRate	0.00	84,956.00
tblWoodstoves	NumberCatalytic	3.40	0.00
tblWoodstoves	NumberCatalytic	22.45	0.00
tblWoodstoves	NumberNoncatalytic	3.40	0.00
tblWoodstoves	NumberNoncatalytic	22.45	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	17.4968	0.4917	42.7065	2.2600e-003		0.2368	0.2368		0.2368	0.2368	0.0000	77.0029	77.0029	0.0741	0.0000	78.8547
Energy	0.2437	2.1389	1.2980	0.0133		0.1684	0.1684		0.1684	0.1684		2,658.7788	2,658.7788	0.0510	0.0487	2,674.5786
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**17.7405**	**2.6306**	**44.0044**	**0.0156**	**0.0000**	**0.4052**	**0.4052**	**0.0000**	**0.4052**	**0.4052**	**0.0000**	**2,735.7817**	**2,735.7817**	**0.1250**	**0.0487**	**2,753.4333**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	17.4968	0.4917	42.7065	2.2600e-003		0.2368	0.2368		0.2368	0.2368	0.0000	77.0029	77.0029	0.0741	0.0000	78.8547
Energy	0.2326	2.0418	1.2439	0.0127		0.1607	0.1607		0.1607	0.1607		2,537.1682	2,537.1682	0.0486	0.0465	2,552.2453
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**17.7294**	**2.5335**	**43.9504**	**0.0150**	**0.0000**	**0.3975**	**0.3975**	**0.0000**	**0.3975**	**0.3975**	**0.0000**	**2,614.1711**	**2,614.1711**	**0.1227**	**0.0465**	**2,631.1000**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.06**	**3.69**	**0.12**	**3.86**	**0.00**	**1.90**	**1.90**	**0.00**	**1.90**	**1.90**	**0.00**	**4.45**	**4.45**	**1.86**	**4.58**	**4.44**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
User Defined Parking	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Fast Food Restaurant w/o Drive Thru	16.60	8.40	6.90	1.50	79.50	19.00	51	37	12
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down Restaurant)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Parking	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
City Park	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Condo/Townhouse High Rise	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Enclosed Parking with Elevator	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Fast Food Restaurant w/o Drive Thru	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
General Office Building	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
High Turnover (Sit Down Restaurant)	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Other Non-Asphalt Surfaces	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
User Defined Parking	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2326	2.0418	1.2439	0.0127		0.1607	0.1607		0.1607	0.1607		2,537.1682	2,537.1682	0.0486	0.0465	2,552.2453
NaturalGas Unmitigated	0.2437	2.1389	1.2980	0.0133		0.1684	0.1684		0.1684	0.1684		2,658.7788	2,658.7788	0.0510	0.0487	2,674.5786

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	1717.13	0.0185	0.1583	0.0673	1.0100e-003		0.0128	0.0128		0.0128	0.0128		202.0151	202.0151	3.8700e-003	3.7000e-003	203.2156
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	11338.1	0.1223	1.0449	0.4446	6.6700e-003		0.0845	0.0845		0.0845	0.0845		1,333.8940	1,333.8940	0.0256	0.0245	1,341.8206
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	1253.69	0.0135	0.1229	0.1033	7.4000e-004		9.3400e-003	9.3400e-003		9.3400e-003	9.3400e-003		147.4930	147.4930	2.8300e-003	2.7000e-003	148.3695
General Office Building	1186.45	0.0128	0.1163	0.0977	7.0000e-004		8.8400e-003	8.8400e-003		8.8400e-003	8.8400e-003		139.5829	139.5829	2.6800e-003	2.5600e-003	140.4124
High Turnover (Sit Down Restaurant)	7104.25	0.0766	0.6965	0.5851	4.1800e-003		0.0529	0.0529		0.0529	0.0529		835.7938	835.7938	0.0160	0.0153	840.7605
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.2437**	**2.1389**	**1.2980**	**0.0133**		**0.1684**	**0.1684**		**0.1684**	**0.1684**		**2,658.7788**	**2,658.7788**	**0.0510**	**0.0487**	**2,674.5786**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	1.62234	0.0175	0.1495	0.0636	9.5000e-004		0.0121	0.0121		0.0121	0.0121		190.8640	190.8640	3.6600e-003	3.5000e-003	191.9982
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	10.7122	0.1155	0.9872	0.4201	6.3000e-003		0.0798	0.0798		0.0798	0.0798		1,260.2639	1,260.2639	0.0242	0.0231	1,267.7530
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	1.2266	0.0132	0.1203	0.1010	7.2000e-004		9.1400e-003	9.1400e-003		9.1400e-003	9.1400e-003		144.3064	144.3064	2.7700e-003	2.6500e-003	145.1639
General Office Building	1.05398	0.0114	0.1033	0.0868	6.2000e-004		7.8500e-003	7.8500e-003		7.8500e-003	7.8500e-003		123.9979	123.9979	2.3800e-003	2.2700e-003	124.7348
High Turnover (Sit Down Restaurant)	6.95076	0.0750	0.6815	0.5724	4.0900e-003		0.0518	0.0518		0.0518	0.0518		817.7360	817.7360	0.0157	0.0150	822.5954
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.2326**	**2.0418**	**1.2439**	**0.0127**		**0.1607**	**0.1607**		**0.1607**	**0.1607**		**2,537.1682**	**2,537.1682**	**0.0486**	**0.0465**	**2,552.2453**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	17.4968	0.4917	42.7065	2.2600e-003		0.2368	0.2368		0.2368	0.2368	0.0000	77.0029	77.0029	0.0741	0.0000	78.8547
Unmitigated	17.4968	0.4917	42.7065	2.2600e-003		0.2368	0.2368		0.2368	0.2368	0.0000	77.0029	77.0029	0.0741	0.0000	78.8547

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.4294					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	14.7794					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2881	0.4917	42.7065	2.2600e-003		0.2368	0.2368		0.2368	0.2368		77.0029	77.0029	0.0741		78.8547
Total	**17.4968**	**0.4917**	**42.7065**	**2.2600e-003**		**0.2368**	**0.2368**		**0.2368**	**0.2368**	**0.0000**	**77.0029**	**77.0029**	**0.0741**	**0.0000**	**78.8547**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.4294					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	14.7794					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2881	0.4917	42.7065	2.2600e-003		0.2368	0.2368		0.2368	0.2368		77.0029	77.0029	0.0741		78.8547
Total	**17.4968**	**0.4917**	**42.7065**	**2.2600e-003**		**0.2368**	**0.2368**		**0.2368**	**0.2368**	**0.0000**	**77.0029**	**77.0029**	**0.0741**	**0.0000**	**78.8547**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Hollywood Center - East Site (All Res) - Operation

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	32.66	1000sqft	0.10	32,665.00	0
Enclosed Parking with Elevator	684.00	Space	0.80	353,824.00	0
Other Non-Asphalt Surfaces	21.15	1000sqft	0.10	21,150.00	0
User Defined Parking	1.63	User Defined Unit	0.14	1,627.00	0
City Park	0.82	Acre	0.10	35,300.00	0
Fast Food Restaurant w/o Drive Thru	2.73	1000sqft	0.10	2,732.00	0
High Turnover (Sit Down Restaurant)	15.48	1000sqft	0.10	15,482.00	0
Apartments Mid Rise	65.00	Dwelling Unit	0.30	67,149.00	186
Condo/Townhouse High Rise	423.00	Dwelling Unit	0.95	575,100.00	1210

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	497	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor: California Air Resources Board, Statewide Emission Factors (EF) For Use With AB 900 Projects (Jan 2017). Linearly adjusted to 44% RPS by 2024.
Land Use - see operational assumptions

Vehicle Trips - see operational assumptions. VMT and trips provided by traffic study.

Woodstoves - see operational assumptions

Energy Use - see operational assumptions. Lighting energy intensity of Parking Lot land use used as surrogate for public open space lighting energy intensity.

Water And Wastewater - see water demand spreadsheet and water supply assessment

Solid Waste - see operational assumptions

Sequestration - Miscellaneous trees; 122 trees on East Site.

Energy Mitigation - The Project LEED checklist states it will be 20% more efficient than 2010 Ashrae 90.1 Standard. Therefore, compared to 2016 Title 24 Building Energy Efficiency that is based off of 2013 Ashrae 90.1 Standards, the Project will be 11.6% more efficient.

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	43,090.00	43,340.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	129,269.00	130,019.00
tblArchitecturalCoating	ConstArea_Parking	22,596.00	22,318.00
tblAreaCoating	Area_Nonresidential_Exterior	43090	53665
tblAreaCoating	Area_Nonresidential_Interior	129269	160994
tblAreaCoating	Area_Parking	22596	21327
tblConstructionPhase	NumDays	220.00	200.00
tblConstructionPhase	NumDays	6.00	4.00
tblConstructionPhase	NumDays	3.00	2.00
tblEnergyUse	LightingElect	0.00	0.35
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00

tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	55.25	0.00
tblFireplaces	NumberGas	359.55	0.00
tblFireplaces	NumberNoFireplace	6.50	0.00
tblFireplaces	NumberNoFireplace	42.30	0.00
tblFireplaces	NumberWood	3.25	0.00
tblFireplaces	NumberWood	21.15	0.00
tblLandUse	LandUseSquareFeet	32,660.00	32,665.00
tblLandUse	LandUseSquareFeet	273,600.00	353,824.00
tblLandUse	LandUseSquareFeet	0.00	1,627.00
tblLandUse	LandUseSquareFeet	35,719.20	35,300.00
tblLandUse	LandUseSquareFeet	2,730.00	2,732.00
tblLandUse	LandUseSquareFeet	15,480.00	15,482.00
tblLandUse	LandUseSquareFeet	65,000.00	67,149.00
tblLandUse	LandUseSquareFeet	423,000.00	575,100.00
tblLandUse	LotAcreage	0.75	0.10
tblLandUse	LotAcreage	6.16	0.80
tblLandUse	LotAcreage	0.49	0.10
tblLandUse	LotAcreage	0.00	0.14
tblLandUse	LotAcreage	0.82	0.10
tblLandUse	LotAcreage	0.06	0.10
tblLandUse	LotAcreage	0.36	0.10
tblLandUse	LotAcreage	1.71	0.30
tblLandUse	LotAcreage	6.61	0.95
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00

tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	497
tblSequestration	NumberOfNewTrees	0.00	122.00
tblSolidWaste	SolidWasteGenerationRate	29.90	59.30
tblSolidWaste	SolidWasteGenerationRate	0.07	155.90
tblSolidWaste	SolidWasteGenerationRate	194.58	944.10
tblSolidWaste	SolidWasteGenerationRate	31.45	2.50
tblSolidWaste	SolidWasteGenerationRate	30.37	0.00
tblSolidWaste	SolidWasteGenerationRate	184.21	14.10
tblTripsAndVMT	VendorTripNumber	128.00	127.00
tblTripsAndVMT	WorkerTripNumber	542.00	541.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CW_TL	16.60	0.00

tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	4.31	0.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	3.43	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	4.18	0.00
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	127.15	0.00

tblWater	IndoorWaterUseRate	4,235,011.67	2,609,679.00
tblWater	IndoorWaterUseRate	27,560,152.84	16,982,989.00
tblWater	IndoorWaterUseRate	828,647.03	0.00
tblWater	IndoorWaterUseRate	5,804,784.21	1,159,675.00
tblWater	IndoorWaterUseRate	4,698,701.87	6,782,620.00
tblWater	OutdoorWaterUseRate	2,669,898.66	0.00
tblWater	OutdoorWaterUseRate	977,014.71	265,430.00
tblWater	OutdoorWaterUseRate	17,374,878.96	0.00
tblWater	OutdoorWaterUseRate	0.00	73,043.00
tblWater	OutdoorWaterUseRate	52,892.36	0.00
tblWater	OutdoorWaterUseRate	3,557,770.97	0.00
tblWater	OutdoorWaterUseRate	299,917.14	0.00
tblWater	OutdoorWaterUseRate	0.00	59,949.00
tblWoodstoves	NumberCatalytic	3.25	0.00
tblWoodstoves	NumberCatalytic	21.15	0.00
tblWoodstoves	NumberNoncatalytic	3.25	0.00
tblWoodstoves	NumberNoncatalytic	21.15	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	17.1717	0.4640	40.2997	2.1300e-003		0.2235	0.2235		0.2235	0.2235	0.0000	72.6595	72.6595	0.0699	0.0000	74.4058
Energy	0.2671	2.3559	1.5083	0.0146		0.1846	0.1846		0.1846	0.1846		2,914.0925	2,914.0925	0.0559	0.0534	2,931.4095
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**17.4389**	**2.8199**	**41.8080**	**0.0167**	**0.0000**	**0.4080**	**0.4080**	**0.0000**	**0.4080**	**0.4080**	**0.0000**	**2,986.7520**	**2,986.7520**	**0.1257**	**0.0534**	**3,005.8153**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	17.1717	0.4640	40.2997	2.1300e-003		0.2235	0.2235		0.2235	0.2235	0.0000	72.6595	72.6595	0.0699	0.0000	74.4058
Energy	0.2560	2.2587	1.4526	0.0140		0.1769	0.1769		0.1769	0.1769		2,792.5597	2,792.5597	0.0535	0.0512	2,809.1545
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**17.4277**	**2.7227**	**41.7523**	**0.0161**	**0.0000**	**0.4003**	**0.4003**	**0.0000**	**0.4003**	**0.4003**	**0.0000**	**2,865.2192**	**2,865.2192**	**0.1234**	**0.0512**	**2,883.5603**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.06**	**3.45**	**0.13**	**3.65**	**0.00**	**1.89**	**1.89**	**0.00**	**1.89**	**1.89**	**0.00**	**4.07**	**4.07**	**1.85**	**4.17**	**4.07**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
User Defined Parking	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
City Park	0.00	0.00	0.00	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00	1.50	79.50	19.00	51	37	12
General Office Building	0.00	0.00	0.00	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00	8.50	72.50	19.00	37	20	43
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
User Defined Parking	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
City Park	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Condo/Townhouse High Rise	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Enclosed Parking with Elevator	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Fast Food Restaurant w/o Drive Thru	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
General Office Building	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
High Turnover (Sit Down Restaurant)	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Other Non-Asphalt Surfaces	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
User Defined Parking	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2560	2.2587	1.4526	0.0140		0.1769	0.1769		0.1769	0.1769		2,792.5597	2,792.5597	0.0535	0.0512	2,809.1545
NaturalGas Unmitigated	0.2671	2.3559	1.5083	0.0146		0.1846	0.1846		0.1846	0.1846		2,914.0925	2,914.0925	0.0559	0.0534	2,931.4095

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	1641.37	0.0177	0.1513	0.0644	9.7000e-004		0.0122	0.0122		0.0122	0.0122		193.1027	193.1027	3.7000e-003	3.5400e-003	194.2502
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	10681.5	0.1152	0.9844	0.4189	6.2800e-003		0.0796	0.0796		0.0796	0.0796		1,256.6529	1,256.6529	0.0241	0.0230	1,264.1206
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	1727.22	0.0186	0.1693	0.1422	1.0200e-003		0.0129	0.0129		0.0129	0.0129		203.2027	203.2027	3.8900e-003	3.7300e-003	204.4102
General Office Building	931.624	0.0101	0.0913	0.0767	5.5000e-004		6.9400e-003	6.9400e-003		6.9400e-003	6.9400e-003		109.6028	109.6028	2.1000e-003	2.0100e-003	110.2541
High Turnover (Sit Down Restaurant)	9788.02	0.1056	0.9596	0.8061	5.7600e-003		0.0729	0.0729		0.0729	0.0729		1,151.5315	1,151.5315	0.0221	0.0211	1,158.3744
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.2671**	**2.3559**	**1.5083**	**0.0146**		**0.1846**	**0.1846**		**0.1846**	**0.1846**		**2,914.0925**	**2,914.0925**	**0.0559**	**0.0534**	**2,931.4095**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	1.55077	0.0167	0.1429	0.0608	9.1000e-004		0.0116	0.0116		0.0116	0.0116		182.4436	182.4436	3.5000e-003	3.3400e-003	183.5277
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	10.0919	0.1088	0.9300	0.3958	5.9400e-003		0.0752	0.0752		0.0752	0.0752		1,187.2865	1,187.2865	0.0228	0.0218	1,194.3419
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	1.68991	0.0182	0.1657	0.1392	9.9000e-004		0.0126	0.0126		0.0126	0.0126		198.8124	198.8124	3.8100e-003	3.6400e-003	199.9938
General Office Building	0.827604	8.9300e-003	0.0811	0.0682	4.9000e-004		6.1700e-003	6.1700e-003		6.1700e-003	6.1700e-003		97.3652	97.3652	1.8700e-003	1.7900e-003	97.9438
High Turnover (Sit Down Restaurant)	9.57654	0.1033	0.9389	0.7887	5.6300e-003		0.0714	0.0714		0.0714	0.0714		1,126.6521	1,126.6521	0.0216	0.0207	1,133.3472
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.2560**	**2.2587**	**1.4526**	**0.0140**		**0.1769**	**0.1769**		**0.1769**	**0.1769**		**2,792.5597**	**2,792.5597**	**0.0535**	**0.0512**	**2,809.1544**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	17.1717	0.4640	40.2997	2.1300e-003		0.2235	0.2235		0.2235	0.2235	0.0000	72.6595	72.6595	0.0699	0.0000	74.4058
Unmitigated	17.1717	0.4640	40.2997	2.1300e-003		0.2235	0.2235		0.2235	0.2235	0.0000	72.6595	72.6595	0.0699	0.0000	74.4058

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.4007					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	14.5563					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2148	0.4640	40.2997	2.1300e-003		0.2235	0.2235		0.2235	0.2235		72.6595	72.6595	0.0699		74.4058
Total	**17.1717**	**0.4640**	**40.2997**	**2.1300e-003**		**0.2235**	**0.2235**		**0.2235**	**0.2235**	**0.0000**	**72.6595**	**72.6595**	**0.0699**	**0.0000**	**74.4058**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.4007					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	14.5563					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2148	0.4640	40.2997	2.1300e-003		0.2235	0.2235		0.2235	0.2235		72.6595	72.6595	0.0699		74.4058
Total	**17.1717**	**0.4640**	**40.2997**	**2.1300e-003**		**0.2235**	**0.2235**		**0.2235**	**0.2235**	**0.0000**	**72.6595**	**72.6595**	**0.0699**	**0.0000**	**74.4058**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Hollywood Center - East Site (All Res) - Operation

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	32.66	1000sqft	0.10	32,665.00	0
Enclosed Parking with Elevator	684.00	Space	0.80	353,824.00	0
Other Non-Asphalt Surfaces	21.15	1000sqft	0.10	21,150.00	0
User Defined Parking	1.63	User Defined Unit	0.14	1,627.00	0
City Park	0.82	Acre	0.10	35,300.00	0
Fast Food Restaurant w/o Drive Thru	2.73	1000sqft	0.10	2,732.00	0
High Turnover (Sit Down Restaurant)	15.48	1000sqft	0.10	15,482.00	0
Apartments Mid Rise	65.00	Dwelling Unit	0.30	67,149.00	186
Condo/Townhouse High Rise	423.00	Dwelling Unit	0.95	575,100.00	1210

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	497	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor: California Air Resources Board, Statewide Emission Factors (EF) For Use With AB 900 Projects (Jan 2017). Linearly adjusted to 44% RPS by 2024.
Land Use - see operational assumptions

Vehicle Trips - see operational assumptions. VMT and trips provided by traffic study.

Woodstoves - see operational assumptions

Energy Use - see operational assumptions. Lighting energy intensity of Parking Lot land use used as surrogate for public open space lighting energy intensity.

Water And Wastewater - see water demand spreadsheet and water supply assessment

Solid Waste - see operational assumptions

Sequestration - Miscellaneous trees; 122 trees on East Site.

Energy Mitigation - The Project LEED checklist states it will be 20% more efficient than 2010 Ashrae 90.1 Standard. Therefore, compared to 2016 Title 24 Building Energy Efficiency that is based off of 2013 Ashrae 90.1 Standards, the Project will be 11.6% more efficient.

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	43,090.00	43,340.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	129,269.00	130,019.00
tblArchitecturalCoating	ConstArea_Parking	22,596.00	22,318.00
tblAreaCoating	Area_Nonresidential_Exterior	43090	53665
tblAreaCoating	Area_Nonresidential_Interior	129269	160994
tblAreaCoating	Area_Parking	22596	21327
tblConstructionPhase	NumDays	220.00	200.00
tblConstructionPhase	NumDays	6.00	4.00
tblConstructionPhase	NumDays	3.00	2.00
tblEnergyUse	LightingElect	0.00	0.35
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00

tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	55.25	0.00
tblFireplaces	NumberGas	359.55	0.00
tblFireplaces	NumberNoFireplace	6.50	0.00
tblFireplaces	NumberNoFireplace	42.30	0.00
tblFireplaces	NumberWood	3.25	0.00
tblFireplaces	NumberWood	21.15	0.00
tblLandUse	LandUseSquareFeet	32,660.00	32,665.00
tblLandUse	LandUseSquareFeet	273,600.00	353,824.00
tblLandUse	LandUseSquareFeet	0.00	1,627.00
tblLandUse	LandUseSquareFeet	35,719.20	35,300.00
tblLandUse	LandUseSquareFeet	2,730.00	2,732.00
tblLandUse	LandUseSquareFeet	15,480.00	15,482.00
tblLandUse	LandUseSquareFeet	65,000.00	67,149.00
tblLandUse	LandUseSquareFeet	423,000.00	575,100.00
tblLandUse	LotAcreage	0.75	0.10
tblLandUse	LotAcreage	6.16	0.80
tblLandUse	LotAcreage	0.49	0.10
tblLandUse	LotAcreage	0.00	0.14
tblLandUse	LotAcreage	0.82	0.10
tblLandUse	LotAcreage	0.06	0.10
tblLandUse	LotAcreage	0.36	0.10
tblLandUse	LotAcreage	1.71	0.30
tblLandUse	LotAcreage	6.61	0.95
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00

tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	497
tblSequestration	NumberOfNewTrees	0.00	122.00
tblSolidWaste	SolidWasteGenerationRate	29.90	59.30
tblSolidWaste	SolidWasteGenerationRate	0.07	155.90
tblSolidWaste	SolidWasteGenerationRate	194.58	944.10
tblSolidWaste	SolidWasteGenerationRate	31.45	2.50
tblSolidWaste	SolidWasteGenerationRate	30.37	0.00
tblSolidWaste	SolidWasteGenerationRate	184.21	14.10
tblTripsAndVMT	VendorTripNumber	128.00	127.00
tblTripsAndVMT	WorkerTripNumber	542.00	541.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CW_TL	16.60	0.00

tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	4.31	0.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	3.43	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	4.18	0.00
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	127.15	0.00

tblWater	IndoorWaterUseRate	4,235,011.67	2,609,679.00
tblWater	IndoorWaterUseRate	27,560,152.84	16,982,989.00
tblWater	IndoorWaterUseRate	828,647.03	0.00
tblWater	IndoorWaterUseRate	5,804,784.21	1,159,675.00
tblWater	IndoorWaterUseRate	4,698,701.87	6,782,620.00
tblWater	OutdoorWaterUseRate	2,669,898.66	0.00
tblWater	OutdoorWaterUseRate	977,014.71	265,430.00
tblWater	OutdoorWaterUseRate	17,374,878.96	0.00
tblWater	OutdoorWaterUseRate	0.00	73,043.00
tblWater	OutdoorWaterUseRate	52,892.36	0.00
tblWater	OutdoorWaterUseRate	3,557,770.97	0.00
tblWater	OutdoorWaterUseRate	299,917.14	0.00
tblWater	OutdoorWaterUseRate	0.00	59,949.00
tblWoodstoves	NumberCatalytic	3.25	0.00
tblWoodstoves	NumberCatalytic	21.15	0.00
tblWoodstoves	NumberNoncatalytic	3.25	0.00
tblWoodstoves	NumberNoncatalytic	21.15	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	17.1717	0.4640	40.2997	2.1300e-003		0.2235	0.2235		0.2235	0.2235	0.0000	72.6595	72.6595	0.0699	0.0000	74.4058
Energy	0.2671	2.3559	1.5083	0.0146		0.1846	0.1846		0.1846	0.1846		2,914.0925	2,914.0925	0.0559	0.0534	2,931.4095
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**17.4389**	**2.8199**	**41.8080**	**0.0167**	**0.0000**	**0.4080**	**0.4080**	**0.0000**	**0.4080**	**0.4080**	**0.0000**	**2,986.7520**	**2,986.7520**	**0.1257**	**0.0534**	**3,005.8153**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	17.1717	0.4640	40.2997	2.1300e-003		0.2235	0.2235		0.2235	0.2235	0.0000	72.6595	72.6595	0.0699	0.0000	74.4058
Energy	0.2560	2.2587	1.4526	0.0140		0.1769	0.1769		0.1769	0.1769		2,792.5597	2,792.5597	0.0535	0.0512	2,809.1545
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**17.4277**	**2.7227**	**41.7523**	**0.0161**	**0.0000**	**0.4003**	**0.4003**	**0.0000**	**0.4003**	**0.4003**	**0.0000**	**2,865.2192**	**2,865.2192**	**0.1234**	**0.0512**	**2,883.5603**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.06**	**3.45**	**0.13**	**3.65**	**0.00**	**1.89**	**1.89**	**0.00**	**1.89**	**1.89**	**0.00**	**4.07**	**4.07**	**1.85**	**4.17**	**4.07**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
User Defined Parking	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
City Park	0.00	0.00	0.00	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00	1.50	79.50	19.00	51	37	12
General Office Building	0.00	0.00	0.00	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00	8.50	72.50	19.00	37	20	43
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
User Defined Parking	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
City Park	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Condo/Townhouse High Rise	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Enclosed Parking with Elevator	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Fast Food Restaurant w/o Drive Thru	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
General Office Building	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
High Turnover (Sit Down Restaurant)	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Other Non-Asphalt Surfaces	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
User Defined Parking	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2560	2.2587	1.4526	0.0140		0.1769	0.1769		0.1769	0.1769		2,792.5597	2,792.5597	0.0535	0.0512	2,809.1545
NaturalGas Unmitigated	0.2671	2.3559	1.5083	0.0146		0.1846	0.1846		0.1846	0.1846		2,914.0925	2,914.0925	0.0559	0.0534	2,931.4095

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	1641.37	0.0177	0.1513	0.0644	9.7000e-004		0.0122	0.0122		0.0122	0.0122		193.1027	193.1027	3.7000e-003	3.5400e-003	194.2502
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	10681.5	0.1152	0.9844	0.4189	6.2800e-003		0.0796	0.0796		0.0796	0.0796		1,256.6529	1,256.6529	0.0241	0.0230	1,264.1206
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	1727.22	0.0186	0.1693	0.1422	1.0200e-003		0.0129	0.0129		0.0129	0.0129		203.2027	203.2027	3.8900e-003	3.7300e-003	204.4102
General Office Building	931.624	0.0101	0.0913	0.0767	5.5000e-004		6.9400e-003	6.9400e-003		6.9400e-003	6.9400e-003		109.6028	109.6028	2.1000e-003	2.0100e-003	110.2541
High Turnover (Sit Down Restaurant)	9788.02	0.1056	0.9596	0.8061	5.7600e-003		0.0729	0.0729		0.0729	0.0729		1,151.5315	1,151.5315	0.0221	0.0211	1,158.3744
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.2671**	**2.3559**	**1.5083**	**0.0146**		**0.1846**	**0.1846**		**0.1846**	**0.1846**		**2,914.0925**	**2,914.0925**	**0.0559**	**0.0534**	**2,931.4095**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	1.55077	0.0167	0.1429	0.0608	9.1000e-004		0.0116	0.0116		0.0116	0.0116		182.4436	182.4436	3.5000e-003	3.3400e-003	183.5277
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	10.0919	0.1088	0.9300	0.3958	5.9400e-003		0.0752	0.0752		0.0752	0.0752		1,187.2865	1,187.2865	0.0228	0.0218	1,194.3419
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	1.68991	0.0182	0.1657	0.1392	9.9000e-004		0.0126	0.0126		0.0126	0.0126		198.8124	198.8124	3.8100e-003	3.6400e-003	199.9938
General Office Building	0.827604	8.9300e-003	0.0811	0.0682	4.9000e-004		6.1700e-003	6.1700e-003		6.1700e-003	6.1700e-003		97.3652	97.3652	1.8700e-003	1.7900e-003	97.9438
High Turnover (Sit Down Restaurant)	9.57654	0.1033	0.9389	0.7887	5.6300e-003		0.0714	0.0714		0.0714	0.0714		1,126.6521	1,126.6521	0.0216	0.0207	1,133.3472
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.2560**	**2.2587**	**1.4526**	**0.0140**		**0.1769**	**0.1769**		**0.1769**	**0.1769**		**2,792.5597**	**2,792.5597**	**0.0535**	**0.0512**	**2,809.1544**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	17.1717	0.4640	40.2997	2.1300e-003		0.2235	0.2235		0.2235	0.2235	0.0000	72.6595	72.6595	0.0699	0.0000	74.4058
Unmitigated	17.1717	0.4640	40.2997	2.1300e-003		0.2235	0.2235		0.2235	0.2235	0.0000	72.6595	72.6595	0.0699	0.0000	74.4058

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.4007					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	14.5563					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2148	0.4640	40.2997	2.1300e-003		0.2235	0.2235		0.2235	0.2235		72.6595	72.6595	0.0699		74.4058
Total	**17.1717**	**0.4640**	**40.2997**	**2.1300e-003**		**0.2235**	**0.2235**		**0.2235**	**0.2235**	**0.0000**	**72.6595**	**72.6595**	**0.0699**	**0.0000**	**74.4058**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.4007					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	14.5563					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2148	0.4640	40.2997	2.1300e-003		0.2235	0.2235		0.2235	0.2235		72.6595	72.6595	0.0699		74.4058
Total	**17.1717**	**0.4640**	**40.2997**	**2.1300e-003**		**0.2235**	**0.2235**		**0.2235**	**0.2235**	**0.0000**	**72.6595**	**72.6595**	**0.0699**	**0.0000**	**74.4058**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Hollywood Center- East Site (Res and Hotel) - Operations

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	21.65	1000sqft	0.10	21,648.00	0
Enclosed Parking with Elevator	684.00	Space	0.80	353,824.00	0
Other Non-Asphalt Surfaces	15.95	1000sqft	0.10	15,950.00	0
User Defined Parking	1.63	User Defined Unit	0.14	1,627.00	0
City Park	0.81	Acre	0.10	35,300.00	0
Fast Food Restaurant w/o Drive Thru	2.73	1000sqft	0.10	2,732.00	0
High Turnover (Sit Down Restaurant)	15.48	1000sqft	0.10	15,482.00	0
Hotel	220.00	Room	0.30	141,606.00	0
Apartments Mid Rise	48.00	Dwelling Unit	0.30	51,898.00	137
Condo/Townhouse High Rise	319.00	Dwelling Unit	0.65	444,100.00	912

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	497	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor: California Air Resources Board, Statewide Emission Factors (EF) For Use With AB 900 Projects (Jan 2017). Linearly adjusted to 44% RPS by 2024.

Land Use - see operational assumptions

Vehicle Trips - see operational assumptions. VMT and trips provided by traffic study.

Woodstoves - see operational assumptions

Energy Use - see operational assumptions. Lighting energy intensity of Parking Lot land use used as surrogate for public open space lighting energy intensity.

Water And Wastewater - see water demand spreadsheet and water supply assessment

Solid Waste - see operational assumptions

Energy Mitigation - Compared to 2016 Title 24 Building Energy Efficiency that is based off of 2013 Ashrae 90.1 Standards, the Project will be 11.6% more efficient than 2016 Title 24 Standards.

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	108,384.00	106,734.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	325,152.00	320,202.00
tblArchitecturalCoating	ConstArea_Parking	22,284.00	21,934.00
tblAreaCoating	Area_Nonresidential_Exterior	108384	116359
tblAreaCoating	Area_Nonresidential_Interior	325152	349077
tblAreaCoating	Area_Parking	22284	21327
tblEnergyUse	LightingElect	0.00	0.35
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	40.80	0.00
tblFireplaces	NumberGas	271.15	0.00

tblFireplaces	NumberNoFireplace	4.80	0.00
tblFireplaces	NumberNoFireplace	31.90	0.00
tblFireplaces	NumberWood	2.40	0.00
tblFireplaces	NumberWood	15.95	0.00
tblLandUse	LandUseSquareFeet	21,650.00	21,648.00
tblLandUse	LandUseSquareFeet	273,600.00	353,824.00
tblLandUse	LandUseSquareFeet	0.00	1,627.00
tblLandUse	LandUseSquareFeet	35,283.60	35,300.00
tblLandUse	LandUseSquareFeet	2,730.00	2,732.00
tblLandUse	LandUseSquareFeet	15,480.00	15,482.00
tblLandUse	LandUseSquareFeet	319,440.00	141,606.00
tblLandUse	LandUseSquareFeet	48,000.00	51,898.00
tblLandUse	LandUseSquareFeet	319,000.00	444,100.00
tblLandUse	LotAcreage	0.50	0.10
tblLandUse	LotAcreage	6.16	0.80
tblLandUse	LotAcreage	0.37	0.10
tblLandUse	LotAcreage	0.00	0.14
tblLandUse	LotAcreage	0.81	0.10
tblLandUse	LotAcreage	0.06	0.10
tblLandUse	LotAcreage	0.36	0.10
tblLandUse	LotAcreage	7.33	0.30
tblLandUse	LotAcreage	1.26	0.30
tblLandUse	LotAcreage	4.98	0.65
tblProjectCharacteristics	CO2IntensityFactor	1227.89	497
tblSolidWaste	SolidWasteGenerationRate	22.08	43.80
tblSolidWaste	SolidWasteGenerationRate	0.07	155.90
tblSolidWaste	SolidWasteGenerationRate	146.74	712.00
tblSolidWaste	SolidWasteGenerationRate	31.45	2.50
tblSolidWaste	SolidWasteGenerationRate	20.13	0.00
tblSolidWaste	SolidWasteGenerationRate	184.21	14.10

tblSolidWaste	SolidWasteGenerationRate	120.45	80.30
tblTripsAndVMT	VendorTripNumber	136.00	134.00
tblTripsAndVMT	WorkerTripNumber	509.00	505.00
tblTripsAndVMT	WorkerTripNumber	102.00	101.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	4.31	0.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	3.43	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	4.18	0.00
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	127.15	0.00

tblVehicleTrips	WD_TR	8.17	0.00
tblWater	IndoorWaterUseRate	3,127,393.23	1,920,113.00
tblWater	IndoorWaterUseRate	20,784,134.17	12,760,750.00
tblWater	IndoorWaterUseRate	828,647.03	0.00
tblWater	IndoorWaterUseRate	3,847,935.64	1,816,675.00
tblWater	IndoorWaterUseRate	4,698,701.87	6,782,620.00
tblWater	IndoorWaterUseRate	5,580,689.40	9,361,885.00
tblWater	OutdoorWaterUseRate	1,971,617.47	0.00
tblWater	OutdoorWaterUseRate	965,099.89	257,400.00
tblWater	OutdoorWaterUseRate	13,103,041.11	0.00
tblWater	OutdoorWaterUseRate	0.00	73,043.00
tblWater	OutdoorWaterUseRate	52,892.36	0.00
tblWater	OutdoorWaterUseRate	2,358,412.17	0.00
tblWater	OutdoorWaterUseRate	299,917.14	0.00
tblWater	OutdoorWaterUseRate	620,076.60	0.00
tblWater	OutdoorWaterUseRate	0.00	77,104.00
tblWoodstoves	NumberCatalytic	2.40	0.00
tblWoodstoves	NumberCatalytic	15.95	0.00
tblWoodstoves	NumberNoncatalytic	2.40	0.00
tblWoodstoves	NumberNoncatalytic	15.95	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	16.6300	0.3493	30.3473	1.6100e-003		0.1682	0.1682		0.1682	0.1682	0.0000	54.7293	54.7293	0.0528	0.0000	56.0482
Energy	0.3311	2.9556	2.1287	0.0181		0.2288	0.2288		0.2288	0.2288		3,612.1667	3,612.1667	0.0692	0.0662	3,633.6320
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**16.9611**	**3.3049**	**32.4760**	**0.0197**	**0.0000**	**0.3970**	**0.3970**	**0.0000**	**0.3970**	**0.3970**	**0.0000**	**3,666.8960**	**3,666.8960**	**0.1220**	**0.0662**	**3,689.6802**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	16.6300	0.3493	30.3473	1.6100e-003		0.1682	0.1682		0.1682	0.1682	0.0000	54.7293	54.7293	0.0528	0.0000	56.0482
Energy	0.3125	2.7894	2.0087	0.0171		0.2159	0.2159		0.2159	0.2159		3,409.1365	3,409.1365	0.0653	0.0625	3,429.3953
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**16.9425**	**3.1388**	**32.3560**	**0.0187**	**0.0000**	**0.3841**	**0.3841**	**0.0000**	**0.3841**	**0.3841**	**0.0000**	**3,463.8658**	**3,463.8658**	**0.1181**	**0.0625**	**3,485.4435**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.11**	**5.03**	**0.37**	**5.13**	**0.00**	**3.24**	**3.24**	**0.00**	**3.24**	**3.24**	**0.00**	**5.54**	**5.54**	**3.19**	**5.62**	**5.54**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Hotel	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
User Defined Parking	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Fast Food Restaurant w/o Drive Thru	16.60	8.40	6.90	1.50	79.50	19.00	51	37	12
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down Restaurant)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Parking	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
City Park	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Condo/Townhouse High Rise	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Enclosed Parking with Elevator	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Fast Food Restaurant w/o Drive Thru	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
General Office Building	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
High Turnover (Sit Down Restaurant)	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Hotel	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Other Non-Asphalt Surfaces	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
User Defined Parking	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.3125	2.7894	2.0087	0.0171		0.2159	0.2159		0.2159	0.2159		3,409.1365	3,409.1365	0.0653	0.0625	3,429.3953
NaturalGas Unmitigated	0.3311	2.9556	2.1287	0.0181		0.2288	0.2288		0.2288	0.2288		3,612.1667	3,612.1667	0.0692	0.0662	3,633.6320

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	1212.09	0.0131	0.1117	0.0475	7.1000e-004		9.0300e-003	9.0300e-003		9.0300e-003	9.0300e-003		142.5989	142.5989	2.7300e-003	2.6100e-003	143.4463
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	8055.35	0.0869	0.7424	0.3159	4.7400e-003		0.0600	0.0600		0.0600	0.0600		947.6886	947.6886	0.0182	0.0174	953.3202
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	1727.22	0.0186	0.1693	0.1422	1.0200e-003		0.0129	0.0129		0.0129	0.0129		203.2027	203.2027	3.8900e-003	3.7300e-003	204.4102

General Office Building	617.413	6.6600e-003	0.0605	0.0509	3.6000e-004		4.6000e-003	4.6000e-003		4.6000e-003	4.6000e-003		72.6368	72.6368	1.3900e-003	1.3300e-003	73.0685
High Turnover (Sit Down Restaurant)	9788.02	0.1056	0.9596	0.8061	5.7600e-003		0.0729	0.0729		0.0729	0.0729		1,151.5315	1,151.5315	0.0221	0.0211	1,158.3744
Hotel	9303.32	0.1003	0.9121	0.7662	5.4700e-003		0.0693	0.0693		0.0693	0.0693		1,094.5083	1,094.5083	0.0210	0.0201	1,101.0124
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.3311**	**2.9556**	**2.1288**	**0.0181**		**0.2288**	**0.2288**		**0.2288**	**0.2288**		**3,612.1667**	**3,612.1667**	**0.0692**	**0.0662**	**3,633.6320**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	1.14518	0.0124	0.1055	0.0449	6.7000e-004		8.5300e-003	8.5300e-003		8.5300e-003	8.5300e-003		134.7275	134.7275	2.5800e-003	2.4700e-003	135.5282
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	7.6107	0.0821	0.7014	0.2985	4.4800e-003		0.0567	0.0567		0.0567	0.0567		895.3768	895.3768	0.0172	0.0164	900.6976
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	1.68991	0.0182	0.1657	0.1392	9.9000e-004		0.0126	0.0126		0.0126	0.0126		198.8124	198.8124	3.8100e-003	3.6400e-003	199.9938
General Office Building	0.548476	5.9100e-003	0.0538	0.0452	3.2000e-004		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003		64.5266	64.5266	1.2400e-003	1.1800e-003	64.9101
High Turnover (Sit Down Restaurant)	9.57654	0.1033	0.9389	0.7887	5.6300e-003		0.0714	0.0714		0.0714	0.0714		1,126.6521	1,126.6521	0.0216	0.0207	1,133.3472
Hotel	8.40685	0.0907	0.8242	0.6923	4.9500e-003		0.0626	0.0626		0.0626	0.0626		989.0411	989.0411	0.0190	0.0181	994.9185
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.3125**	**2.7895**	**2.0087**	**0.0170**		**0.2159**	**0.2159**		**0.2159**	**0.2159**		**3,409.1365**	**3,409.1365**	**0.0653**	**0.0625**	**3,429.3953**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	16.6300	0.3493	30.3473	1.6100e-003		0.1682	0.1682		0.1682	0.1682	0.0000	54.7293	54.7293	0.0528	0.0000	56.0482
Unmitigated	16.6300	0.3493	30.3473	1.6100e-003		0.1682	0.1682		0.1682	0.1682	0.0000	54.7293	54.7293	0.0528	0.0000	56.0482

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.4684					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	14.2443					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.9172	0.3493	30.3473	1.6100e-003		0.1682	0.1682		0.1682	0.1682		54.7293	54.7293	0.0528		56.0482
Total	**16.6300**	**0.3493**	**30.3473**	**1.6100e-003**		**0.1682**	**0.1682**		**0.1682**	**0.1682**	**0.0000**	**54.7293**	**54.7293**	**0.0528**	**0.0000**	**56.0482**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.4684					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	14.2443					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.9172	0.3493	30.3473	1.6100e-003		0.1682	0.1682		0.1682	0.1682		54.7293	54.7293	0.0528		56.0482
Total	**16.6300**	**0.3493**	**30.3473**	**1.6100e-003**		**0.1682**	**0.1682**		**0.1682**	**0.1682**	**0.0000**	**54.7293**	**54.7293**	**0.0528**	**0.0000**	**56.0482**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Hollywood Center- East Site (Res and Hotel) - Operations

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	21.65	1000sqft	0.10	21,648.00	0
Enclosed Parking with Elevator	684.00	Space	0.80	353,824.00	0
Other Non-Asphalt Surfaces	15.95	1000sqft	0.10	15,950.00	0
User Defined Parking	1.63	User Defined Unit	0.14	1,627.00	0
City Park	0.81	Acre	0.10	35,300.00	0
Fast Food Restaurant w/o Drive Thru	2.73	1000sqft	0.10	2,732.00	0
High Turnover (Sit Down Restaurant)	15.48	1000sqft	0.10	15,482.00	0
Hotel	220.00	Room	0.30	141,606.00	0
Apartments Mid Rise	48.00	Dwelling Unit	0.30	51,898.00	137
Condo/Townhouse High Rise	319.00	Dwelling Unit	0.65	444,100.00	912

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	497	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor: California Air Resources Board, Statewide Emission Factors (EF) For Use With AB 900 Projects (Jan 2017). Linearly adjusted to 44% RPS by 2024.

Land Use - see operational assumptions

Vehicle Trips - see operational assumptions. VMT and trips provided by traffic study.

Woodstoves - see operational assumptions

Energy Use - see operational assumptions. Lighting energy intensity of Parking Lot land use used as surrogate for public open space lighting energy intensity.

Water And Wastewater - see water demand spreadsheet and water supply assessment

Solid Waste - see operational assumptions

Energy Mitigation - Compared to 2016 Title 24 Building Energy Efficiency that is based off of 2013 Ashrae 90.1 Standards, the Project will be 11.6% more efficient than 2016 Title 24 Standards.

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	108,384.00	106,734.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	325,152.00	320,202.00
tblArchitecturalCoating	ConstArea_Parking	22,284.00	21,934.00
tblAreaCoating	Area_Nonresidential_Exterior	108384	116359
tblAreaCoating	Area_Nonresidential_Interior	325152	349077
tblAreaCoating	Area_Parking	22284	21327
tblEnergyUse	LightingElect	0.00	0.35
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	40.80	0.00
tblFireplaces	NumberGas	271.15	0.00

tblFireplaces	NumberNoFireplace	4.80	0.00
tblFireplaces	NumberNoFireplace	31.90	0.00
tblFireplaces	NumberWood	2.40	0.00
tblFireplaces	NumberWood	15.95	0.00
tblLandUse	LandUseSquareFeet	21,650.00	21,648.00
tblLandUse	LandUseSquareFeet	273,600.00	353,824.00
tblLandUse	LandUseSquareFeet	0.00	1,627.00
tblLandUse	LandUseSquareFeet	35,283.60	35,300.00
tblLandUse	LandUseSquareFeet	2,730.00	2,732.00
tblLandUse	LandUseSquareFeet	15,480.00	15,482.00
tblLandUse	LandUseSquareFeet	319,440.00	141,606.00
tblLandUse	LandUseSquareFeet	48,000.00	51,898.00
tblLandUse	LandUseSquareFeet	319,000.00	444,100.00
tblLandUse	LotAcreage	0.50	0.10
tblLandUse	LotAcreage	6.16	0.80
tblLandUse	LotAcreage	0.37	0.10
tblLandUse	LotAcreage	0.00	0.14
tblLandUse	LotAcreage	0.81	0.10
tblLandUse	LotAcreage	0.06	0.10
tblLandUse	LotAcreage	0.36	0.10
tblLandUse	LotAcreage	7.33	0.30
tblLandUse	LotAcreage	1.26	0.30
tblLandUse	LotAcreage	4.98	0.65
tblProjectCharacteristics	CO2IntensityFactor	1227.89	497
tblSolidWaste	SolidWasteGenerationRate	22.08	43.80
tblSolidWaste	SolidWasteGenerationRate	0.07	155.90
tblSolidWaste	SolidWasteGenerationRate	146.74	712.00
tblSolidWaste	SolidWasteGenerationRate	31.45	2.50
tblSolidWaste	SolidWasteGenerationRate	20.13	0.00
tblSolidWaste	SolidWasteGenerationRate	184.21	14.10

tblSolidWaste	SolidWasteGenerationRate	120.45	80.30
tblTripsAndVMT	VendorTripNumber	136.00	134.00
tblTripsAndVMT	WorkerTripNumber	509.00	505.00
tblTripsAndVMT	WorkerTripNumber	102.00	101.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	4.31	0.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	3.43	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	4.18	0.00
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	127.15	0.00

tblVehicleTrips	WD_TR	8.17	0.00
tblWater	IndoorWaterUseRate	3,127,393.23	1,920,113.00
tblWater	IndoorWaterUseRate	20,784,134.17	12,760,750.00
tblWater	IndoorWaterUseRate	828,647.03	0.00
tblWater	IndoorWaterUseRate	3,847,935.64	1,816,675.00
tblWater	IndoorWaterUseRate	4,698,701.87	6,782,620.00
tblWater	IndoorWaterUseRate	5,580,689.40	9,361,885.00
tblWater	OutdoorWaterUseRate	1,971,617.47	0.00
tblWater	OutdoorWaterUseRate	965,099.89	257,400.00
tblWater	OutdoorWaterUseRate	13,103,041.11	0.00
tblWater	OutdoorWaterUseRate	0.00	73,043.00
tblWater	OutdoorWaterUseRate	52,892.36	0.00
tblWater	OutdoorWaterUseRate	2,358,412.17	0.00
tblWater	OutdoorWaterUseRate	299,917.14	0.00
tblWater	OutdoorWaterUseRate	620,076.60	0.00
tblWater	OutdoorWaterUseRate	0.00	77,104.00
tblWoodstoves	NumberCatalytic	2.40	0.00
tblWoodstoves	NumberCatalytic	15.95	0.00
tblWoodstoves	NumberNoncatalytic	2.40	0.00
tblWoodstoves	NumberNoncatalytic	15.95	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	16.6300	0.3493	30.3473	1.6100e-003		0.1682	0.1682		0.1682	0.1682	0.0000	54.7293	54.7293	0.0528	0.0000	56.0482
Energy	0.3311	2.9556	2.1287	0.0181		0.2288	0.2288		0.2288	0.2288		3,612.1667	3,612.1667	0.0692	0.0662	3,633.6320
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**16.9611**	**3.3049**	**32.4760**	**0.0197**	**0.0000**	**0.3970**	**0.3970**	**0.0000**	**0.3970**	**0.3970**	**0.0000**	**3,666.8960**	**3,666.8960**	**0.1220**	**0.0662**	**3,689.6802**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	16.6300	0.3493	30.3473	1.6100e-003		0.1682	0.1682		0.1682	0.1682	0.0000	54.7293	54.7293	0.0528	0.0000	56.0482
Energy	0.3125	2.7894	2.0087	0.0171		0.2159	0.2159		0.2159	0.2159		3,409.1365	3,409.1365	0.0653	0.0625	3,429.3953
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**16.9425**	**3.1388**	**32.3560**	**0.0187**	**0.0000**	**0.3841**	**0.3841**	**0.0000**	**0.3841**	**0.3841**	**0.0000**	**3,463.8658**	**3,463.8658**	**0.1181**	**0.0625**	**3,485.4435**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.11**	**5.03**	**0.37**	**5.13**	**0.00**	**3.24**	**3.24**	**0.00**	**3.24**	**3.24**	**0.00**	**5.54**	**5.54**	**3.19**	**5.62**	**5.54**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Hotel	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
User Defined Parking	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Fast Food Restaurant w/o Drive Thru	16.60	8.40	6.90	1.50	79.50	19.00	51	37	12
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down Restaurant)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Parking	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
City Park	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Condo/Townhouse High Rise	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Enclosed Parking with Elevator	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Fast Food Restaurant w/o Drive Thru	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
General Office Building	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
High Turnover (Sit Down Restaurant)	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Hotel	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Other Non-Asphalt Surfaces	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
User Defined Parking	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.3125	2.7894	2.0087	0.0171		0.2159	0.2159		0.2159	0.2159		3,409.1365	3,409.1365	0.0653	0.0625	3,429.3953
NaturalGas Unmitigated	0.3311	2.9556	2.1287	0.0181		0.2288	0.2288		0.2288	0.2288		3,612.1667	3,612.1667	0.0692	0.0662	3,633.6320

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	1212.09	0.0131	0.1117	0.0475	7.1000e-004		9.0300e-003	9.0300e-003		9.0300e-003	9.0300e-003		142.5989	142.5989	2.7300e-003	2.6100e-003	143.4463
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	8055.35	0.0869	0.7424	0.3159	4.7400e-003		0.0600	0.0600		0.0600	0.0600		947.6886	947.6886	0.0182	0.0174	953.3202
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Fast Food Restaurant w/o Drive Thru	1727.22	0.0186	0.1693	0.1422	1.0200e-003		0.0129	0.0129		0.0129	0.0129		203.2027	203.2027	3.8900e-003	3.7300e-003	204.4102
General Office Building	617.413	6.6600e-003	0.0605	0.0509	3.6000e-004		4.6000e-003	4.6000e-003		4.6000e-003	4.6000e-003		72.6368	72.6368	1.3900e-003	1.3300e-003	73.0685
High Turnover (Sit Down Restaurant)	9788.02	0.1056	0.9596	0.8061	5.7600e-003		0.0729	0.0729		0.0729	0.0729		1,151.5315	1,151.5315	0.0221	0.0211	1,158.3744
Hotel	9303.32	0.1003	0.9121	0.7662	5.4700e-003		0.0693	0.0693		0.0693	0.0693		1,094.5083	1,094.5083	0.0210	0.0201	1,101.0124
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.3311**	**2.9556**	**2.1288**	**0.0181**		**0.2288**	**0.2288**		**0.2288**	**0.2288**		**3,612.1667**	**3,612.1667**	**0.0692**	**0.0662**	**3,633.6320**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	1.14518	0.0124	0.1055	0.0449	6.7000e-004		8.5300e-003	8.5300e-003		8.5300e-003	8.5300e-003		134.7275	134.7275	2.5800e-003	2.4700e-003	135.5282
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	7.6107	0.0821	0.7014	0.2985	4.4800e-003		0.0567	0.0567		0.0567	0.0567		895.3768	895.3768	0.0172	0.0164	900.6976
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	1.68991	0.0182	0.1657	0.1392	9.9000e-004		0.0126	0.0126		0.0126	0.0126		198.8124	198.8124	3.8100e-003	3.6400e-003	199.9938
General Office Building	0.548476	5.9100e-003	0.0538	0.0452	3.2000e-004		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003		64.5266	64.5266	1.2400e-003	1.1800e-003	64.9101
High Turnover (Sit Down Restaurant)	9.57654	0.1033	0.9389	0.7887	5.6300e-003		0.0714	0.0714		0.0714	0.0714		1,126.6521	1,126.6521	0.0216	0.0207	1,133.3472
Hotel	8.40685	0.0907	0.8242	0.6923	4.9500e-003		0.0626	0.0626		0.0626	0.0626		989.0411	989.0411	0.0190	0.0181	994.9185
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.3125**	**2.7895**	**2.0087**	**0.0170**		**0.2159**	**0.2159**		**0.2159**	**0.2159**		**3,409.1365**	**3,409.1365**	**0.0653**	**0.0625**	**3,429.3953**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	16.6300	0.3493	30.3473	1.6100e-003		0.1682	0.1682		0.1682	0.1682	0.0000	54.7293	54.7293	0.0528	0.0000	56.0482
Unmitigated	16.6300	0.3493	30.3473	1.6100e-003		0.1682	0.1682		0.1682	0.1682	0.0000	54.7293	54.7293	0.0528	0.0000	56.0482

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.4684					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	14.2443					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.9172	0.3493	30.3473	1.6100e-003		0.1682	0.1682		0.1682	0.1682		54.7293	54.7293	0.0528		56.0482
Total	**16.6300**	**0.3493**	**30.3473**	**1.6100e-003**		**0.1682**	**0.1682**		**0.1682**	**0.1682**	**0.0000**	**54.7293**	**54.7293**	**0.0528**	**0.0000**	**56.0482**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.4684					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	14.2443					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.9172	0.3493	30.3473	1.6100e-003		0.1682	0.1682		0.1682	0.1682		54.7293	54.7293	0.0528		56.0482
Total	**16.6300**	**0.3493**	**30.3473**	**1.6100e-003**		**0.1682**	**0.1682**		**0.1682**	**0.1682**	**0.0000**	**54.7293**	**54.7293**	**0.0528**	**0.0000**	**56.0482**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Hollywood Center Project
Air Quality Assessment
Operational Mobile Emissions
ALL RESIDENTIAL SCENARIO

		Criteria Pollutant Emission Factors (lb/mile)										Criteria Pollutant Emissions (pounds/day)									
Year	Max Daily VMT	ROG	NOx	CO	SOx	PM10 Road Dust	PM10	PM10 Total	PM2_5 Road Dust	PM2_5	PM2.5 Total	ROG	NOx	CO	SOx	PM10 Road Dust	PM10	PM10 Total	M2_5 Road Du	PM2_5	PM2.5 Total
2024	11,397	2.85E-04	4.70E-04	2.64E-03	7.60E-06	6.61E-04	1.16E-04	7.77E-04	1.62E-04	4.91E-05	2.11E-04	3.25	5.36	30.07	0.09	7.53	1.32	8.85	1.85	0.56	2.41
2025	24,394	2.72E-04	4.54E-04	2.51E-03	7.38E-06	6.61E-04	1.16E-04	7.77E-04	1.62E-04	4.90E-05	2.11E-04	6.65	11.07	61.30	0.18	16.13	2.82	18.95	3.96	1.20	5.15
2026	24,394	2.62E-04	4.40E-04	2.41E-03	7.18E-06	6.61E-04	1.16E-04	7.77E-04	1.62E-04	4.89E-05	2.11E-04	6.39	10.74	58.85	0.18	16.13	2.82	18.95	3.96	1.19	5.15
2027	24,394	2.52E-04	4.29E-04	2.33E-03	7.01E-06	6.61E-04	1.16E-04	7.77E-04	1.62E-04	4.88E-05	2.11E-04	6.15	10.46	56.77	0.17	16.13	2.82	18.95	3.96	1.19	5.15

Sources: Fehr and Peers, 2020; EMFAC2017; ESA 2020

Hollywood Center Project
Air Quality Assessment
Operational Mobile Emissions
HOTEL SCENARIO

		Criteria Pollutant Emission Factors (lb/mile)										Criteria Pollutant Emissions (pounds/day)									
Year	Max Daily VMT	ROG	NOx	CO	SOx	PM10 Road Dust	PM10	PM10 Total	PM2_5 Road Dust	PM2_5	PM2.5 Total	ROG	NOx	CO	SOx	PM10 Road Dust	PM10	PM10 Total	M2_5 Road Du	PM2_5	PM2.5 Total
2024	11,397	2.85E-04	4.70E-04	2.64E-03	7.60E-06	6.61E-04	1.16E-04	7.77E-04	1.62E-04	4.91E-05	2.11E-04	3.25	5.36	30.07	0.09	7.53	1.32	8.85	1.85	0.56	2.41
2025	28,810	2.72E-04	4.54E-04	2.51E-03	7.38E-06	6.61E-04	1.16E-04	7.77E-04	1.62E-04	4.90E-05	2.11E-04	7.85	13.07	72.39	0.21	19.05	3.33	22.38	4.67	1.41	6.09
2026	28,810	2.62E-04	4.40E-04	2.41E-03	7.18E-06	6.61E-04	1.16E-04	7.77E-04	1.62E-04	4.89E-05	2.11E-04	7.55	12.69	69.50	0.21	19.05	3.33	22.38	4.67	1.41	6.08
2027	28,810	2.52E-04	4.29E-04	2.33E-03	7.01E-06	6.61E-04	1.16E-04	7.77E-04	1.62E-04	4.88E-05	2.11E-04	7.26	12.36	67.04	0.20	19.05	3.33	22.38	4.67	1.41	6.08

Sources: Fehr and Peers, 2020; EMFAC2017; ESA 2020

Hollywood Center
Road Dust Emission Factors

Paved Road Dust Emission Factors (Assumes No Precipitation)

Formula: $EF_{Dust,P} = (k\ (sL)^{0.91} \times (W)^{1.02})$

Where:

$EF_{Dust,P}$ = Paved Road Dust Emission Factor (having the same units as k)
k = particle size multiplier
sL = road surface silt loading (g/m^2)
W = average fleet vehicle weight (tons) (CARB uses 2.4 tons as a fleet average vehicle weight factor)

	Emission Factor (grams per VMT)	
	PM10	PM2.5
k	0.9979	0.2449
sL	0.1	0.1
W	2.4	2.4
$EF_{Dust,P}$	3.00E-01	7.36E-02

Unpaved Road Dust Emission Factors (Assumes No Precipitation)

Formula: $EF_{Dust,U} = (k\ (\ s / 12)^{1} \times (Sp / 30)^{0.5} / (M / 0.5)^{0.2}) - C)$

Where:

$EF_{Dust,U}$ = Unpaved Road Dust Emission Factor (having the same units as k)
k = particle size multiplier
s = surface material silt content (%)
Sp = mean vehicle speed (mph)
M = surface material moisture content (%)
C = Emission Factor for 1980s vehicle fleet exhaust, brake wear, and tire wear

	Emission Factor (grams per VMT)	
	PM10	PM2.5
k	816.47	81.65
s	4.3%	4.3%
Sp	15	15
M	0.5%	0.5%
C	0.00047	0.00036
$EF_{Dust,U}$	5.20E+00	5.19E-01

Sources:
SCAQMD, CalEEMod, Version 2011.1.
CARB, *Entrained Dust from Paved Road Travel: Emission Estimation Methodology Background Document* , (1997).
USEPA, *AP-42* , Fifth Edition, Volume I, Chapter 13.2.1 - Paved Roads, (2011).
ESA, 2020.

EMFAC Off-Model Adjustment Factors to Account for the SAFE Vehicle Rule Part One

22-Nov-19

https://ww3.arb.ca.gov/msei/emfac_off_model_adjustment_factors_final_draft.pdf?utm_medium=email&utm_source=govdelivery

Original

Adjustment Factors for EMFAC2017 Gasoline Light Duty Vehicles					
Year	**NOx Exhaust**	**TOG Evaporative**	**TOG Exhaust**	**PM Exhaust**	**CO Exhaust**
2021	1.0002	1.0001	1.0002	1.0009	1.0005
2022	1.0004	1.0003	1.0004	1.0018	1.0014
2023	1.0007	1.0006	1.0007	1.0032	1.0027
2024	1.0012	1.001	1.0011	1.0051	1.0044
2025	1.0018	1.0016	1.0016	1.0074	1.0065
2026	1.0023	1.0022	1.002	1.0091	1.0083
2027	1.0028	1.0028	1.0024	1.0105	1.0102
2028	1.0034	1.0035	1.0028	1.0117	1.012
2029	1.004	1.0042	1.0032	1.0129	1.0138
2030	1.0047	1.0051	1.0037	1.0142	1.0156
2031	1.0054	1.0061	1.0042	1.0155	1.0173
2032	1.0061	1.0072	1.0047	1.0169	1.0189
2033	1.0068	1.0083	1.0052	1.0182	1.0204
2034	1.0075	1.0095	1.0058	1.0196	1.0218
2035	1.0081	1.0108	1.0063	1.021	1.0232
2036	1.0088	1.0121	1.0069	1.0223	1.0244
2037	1.0094	1.0134	1.0074	1.0236	1.0255
2038	1.0099	1.0148	1.0079	1.0248	1.0265
2039	1.0104	1.0161	1.0085	1.0259	1.0274
2040	1.0109	1.0174	1.009	1.027	1.0281
2041	1.0113	1.0186	1.0095	1.0279	1.0288
2042	1.0116	1.0198	1.0099	1.0286	1.0294
2043	1.0119	1.0207	1.0103	1.0293	1.0299
2044	1.0122	1.0216	1.0106	1.0299	1.0303
2045	1.0124	1.0225	1.0109	1.0303	1.0306
2046	1.0125	1.0233	1.0111	1.0308	1.0309
2047	1.0127	1.024	1.0113	1.0311	1.0311
2048	1.0128	1.0246	1.0115	1.0314	1.0313
2049	1.0128	1.0252	1.0116	1.0316	1.0315
2050	1.0129	1.0257	1.0117	1.0318	1.0316

Hollywood Center Project

Air Quality and Greenhouse Gas Assessment

Emergency Generator Emissions

updated: 6/3/2019

Conversion Factors

HP/kW	1.3410	
PM10 Fraction of Total PM	0.960	Table A - Updated CEIDARS Table with PM2.5 Fractions, INTERNAL COMBUSTION - DISTILLATE AND DIESEL-ELECTRIC GENERATION
PM2.5 Fraction of Total PM	0.937	Table A - Updated CEIDARS Table with PM2.5 Fractions, INTERNAL COMBUSTION - DISTILLATE AND DIESEL-ELECTRIC GENERATION

West Tower Emergency Generator

Ratings:	1,500	kW	*(based on engineering assumptions)*
	2,012	HP	*(based on engineering assumptions; conversion from kW to hp)*
		kW	*(based on engineering assumptions)*
	-	HP	*(conversion from kW to hp)*
Load Factor:	0.74		*(based on CalEEMod Generator Set Load Factor)*
Engine Emissions Tier:	Rule 1470 Compliant		*(compliance with CARB and AQMD diesel regulations)*
Operating Hours per Unit:	2	hours/day	*(testing/maintenance)*
	50	hours/year	*(testing/maintenance, Regulatory Limit per SCAQMD Rule 1470)*

East Tower Emergency Generator

Ratings:	1,500	kW	*(based on engineering assumptions)*
	2,012	HP	*(based on engineering assumptions; conversion from kW to hp)*
		kW	*(based on engineering assumptions)*
	-	HP	*(conversion from kW to hp)*
Load Factor:	0.74		*(based on CalEEMod Generator Set Load Factor)*
Engine Emissions Tier:	Rule 1470 Compliant		*(compliance with CARB and AQMD diesel regulations)*
Operating Hours per Unit:	2	hours/day	*(testing/maintenance)*
	50	hours/year	*(testing/maintenance, Regulatory Limit per SCAQMD Rule 1470)*

Emergency Generator Emissions - West Tower

Units	Criteria Pollutants [1, 2, 3]					
	VOC	NO_X	CO	SOx	PM10	PM2.5
g/kW-hr	—	—	3.50	—	—	—
g/HP-hr	0.24	4.56	2.61	5.50E-05	0.0192	0.0187
lbs/hr	0.79	14.97	8.57	0.00	0.06	0.06
lbs/day	**1.58**	**29.94**	**17.13**	**0.00036**	**0.13**	**0.12**
lbs/yr	39.39	748.39	428.35	0.01	3.15	3.08
tons/yr	0.02	0.37	0.21	0.00	0.00	0.00
metric tons/yr	—	—	—	—	—	—

Emergency Generator Emissions - East Tower

Units	Criteria Pollutants [1, 2, 3]					
	VOC	NO_X	CO	SOx	PM10	PM2.5
g/kW-hr	—	—	3.50	—	—	—
g/HP-hr	0.24	4.56	2.61	0.00	0.02	0.02
lbs/hr	0.79	14.97	8.57	0.00	0.06	0.06
lbs/day	**1.58**	**29.94**	**17.13**	**0.00036**	**0.13**	**0.12**
lbs/yr	39.39	748.39	428.35	0.01	3.15	3.08
tons/yr	0.02	0.37	0.21	0.00	0.00	0.00
metric tons/yr	—	—	—	—	—	—

Total Emergency Generator Emissions

Units	Criteria Pollutants [1, 2, 3]					
	VOC	NO_X	CO	SOx	PM10	PM2.5
lbs/hr	1.58	29.94	17.13	0.00	0.13	0.12
lbs/day	**3.15**	**59.87**	**34.27**	**0.00072**	**0.25**	**0.25**
lbs/yr	78.78	1496.78	856.69	0.02	6.30	6.15
tons/yr	0.04	0.75	0.43	0.00	0.00	0.00
metric tons/yr	0.00	0.00	0.00	0.00	0.00	0.00

Notes:

1. Emission factors for VOC and NOX: Regulatory Limit per SCAQMD Rule 1470 (Requirements for Stationary Diesel-Fueled Internal Combustion and Other Compression Ignition Engines).
2. Emission factors for CO, PM10, and PM2.5: Regulatory Limit per SCAQMD Rule 1470 (Requirements for Stationary Diesel-Fueled Internal Combustion and Other Compression Ignition Engines).
3. Emission factor for SO2: U.S. Environmental Protection Agency, AP-42 Compilation of Air Pollutant Emission Factors, Fifth Edition, Section 3.4, Table 3.4-1.
   Emission Factor for SO2 is based on 15 ppm (0.0015%) S1 from the EPA Nonroad Diesel Fuel Program, and assumes complete conversion to SO2.
   Power ratings provided by Millenium Partners and affiliated contractor in email from January 11, 2018.

Source: Millennium Partners, 2018. ESA, 2018.

Hollywood Center

Project - Charbroiler Emissions

San Joaquin Valley Unified Air Pollution Control District Emission Inventory Methodology 690 - Commercial Cooking Operations

Equipment Type	Restaurant Category				
	Ethnic	Family	Fast Food	Seafood	Steak and BBQ
Percent of restaurants with equipment					
Auto charbroilers	3.5	10.1	18.6	0.0	6.9
Underfired charbroilers	47.5	60.9	30.8	52.6	55.2
Deep-fat fryer	81.9	91.4	96.8	100.0	82.8
Glad griddles	62.7	82.9	51.9	36.8	89.7
Clamshell griddles	4.0	1.4	14.7	10.5	0.0
Average number of units per restaurant type					
Auto charbroilers	1.62	1.71	1.07	--	--
Underfired charbroilers	1.54	1.29	1.58	1.10	1.63
Deep-fat fryer	1.63	2.34	3.10	2.47	2.42
Glad griddles	1.88	2.03	1.43	1.11	1.35
Clamshell griddles	1.80	--	2.09	1.50	--

Type of Food	Total Food Cooked per Device (lb/week)				
	Chain-Driven Charbroilers[a]	Underfired Charbroilers	Deep-Fat Fryers	Flat Griddles	Clamshell Griddles
Steak	236	180	181	166	94
Hamburger	798	270	274	362	1,314
Poultry, with skin	147	144	365	88	113
Poultry, skinless	266	179	208	111	108
Pork	58	148	59	112	118
Seafood	119	143	159	92	632
Other meat	0	42	274	58	0
Potatoes	0	0	602	0	0

Hollywood Center

# of food venues	4	Two from each site
Days/week cooking	6	
PM10 fraction of PM	0.7	Updated CEIDARS Table with PM2.5 Fractions
PM2.5 fraction of PM	0.42	Updated CEIDARS Table with PM2.5 Fractions

Total # of equipment

Type	Total Equip
Auto charbroilers	0.4
Underfired charbroilers	2.4
Deep-fat fryer	3.7
Glad griddles	3.3
Clamshell griddles	0.1

Total lbs/day of meat

Type	Auto charbroilers	Underfired charbroil	Deep-fat fryer	Glad griddles	Clamshell griddles
Steak	15.9	73.1	110.3	91.7	0.9
Hamburger	53.7	109.6	167.0	200.1	12.3
Poultry, with skin	9.9	58.5	222.4	48.6	1.1
Poultry, skinless	17.9	72.7	126.7	61.3	1.0
Pork	3.9	60.1	36.0	61.9	1.1
Seafood	8.0	58.1	96.9	50.8	5.9
Other meat	0.0	17.1	167.0	32.1	0.0
Potatoes	0.0	0.0	366.8	0.0	0.0

Source[1]	Uncontrolled Emission Factors[2] (lb/1000 lb)		Quantity[3]	Emissions Controls[4] (percent reduction)		Controlled Emissions[5] (pounds/day)		
	ROG	PM	(lb/day)	VOC	PM	VOC	PM2.5	PM10
Project								
Charbroiler - New York Steak	0.86	17.19	88.97	86%	85%	0.01	0.10	0.16
Charbroiler - 25% fat Hamburger	3.94	32.65	163.35	86%	85%	0.09	0.34	0.56
Charbroiler - Chicken	1.82	10.48	158.95	86%	85%	0.04	0.10	0.17
Deep-fat Fryer - Shoestring fries	0.21	-	366.82	0%	0%	0.08	0.00	0.00
Deep-fat Fryer - breaded chicken patties	0.12	-	349.15	0%	0%	0.04	0.00	0.00
Deep-fat Fryer - breaded cod filet	0.14	-	96.88	0%	0%	0.01	0.00	0.00
Total Emissions						**0.27**	**0.54**	**0.90**

1. Assume each restaurant has one charbroiler and one deep-fat fryer
2. South Coast Air Quality Management District, Emission Factors for Commercial Cooking Operations, http://www.aqmd.gov/docs/default-source/rule-book/Proposed-Rules/1138/par1138pdsr_appendixi.pdf?sfvrsn=2. Accessed April 2016.
3. Quantity of steak and hamburger charbroiled is from SCAQMD Staff Report for Rule 1138 (Control of Emissions from Restaurant Operations) Dated October 10, 1997, found in SJVAPCD Final Draft Staff Report. Rule 4692 (Commercial Charbroiling). Quantity of chicken charboiled and food fried is from San Joaquin Valley Unified Air Pollution Control District Emission Inventory Methodology 690 - Commercial Cooking Operations.
4. South Coast Air Quality Management District Rule 1138 (Control of Emissions from Restaurant Operations) regulates PM10 and VOC emissions from fast-food restaurants with charbroilers. Catalytic oxidizers reduce VOC emissions by approximately 86 percent and PM10 emissions by approximately 85 percent.
5. PM10 represents 70% of total PM and PM2.5 represents 42% of total PM from cooking/charbroiling operations, from: South Coast Air Quality Management District. 2006. Final –Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds. Appendix A: Updated CEIDARS Table with PM2.5 Fractions. Available: <http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/particulate-matter-(pm)-2.5-significance-thresholds-and-calculation-methodology/appendix-a-updated-ceidars-table-with-pm2-5-fractions.doc?sfvrsn=2>. Accessed: February 10, 2017.

Hollywood Center

West Site - Charbroiler Emissions

San Joaquin Valley Unified Air Pollution Control District Emission Inventory Methodology 690 - Commercial Cooking Operations

Equipment Type	Restaurant Category				
	Ethnic	Family	Fast Food	Seafood	Steak and BBQ
Percent of restaurants with equipment					
Auto charbroilers	3.5	10.1	18.6	0.0	6.9
Underfired charbroilers	47.5	60.9	30.8	52.6	55.2
Deep-fat fryer	81.9	91.4	96.8	100.0	82.8
Glad griddles	62.7	82.9	51.9	36.8	89.7
Clamshell griddles	4.0	1.4	14.7	10.5	0.0
Average number of units per restaurant type[z]					
Auto charbroilers	1.62	1.71	1.07	--	--
Underfired charbroilers	1.54	1.29	1.58	1.10	1.63
Deep-fat fryer	1.63	2.34	3.10	2.47	2.42
Glad griddles	1.88	2.03	1.43	1.11	1.35
Clamshell griddles	1.80	--	2.09	1.50	--

Type of Food	Total Food Cooked per Device (lb/week)				
	Chain-Driven Charbroilers[a]	Underfired Charbroilers	Deep-Fat Fryers	Flat Griddles	Clamshell Griddles
Steak	236	180	181	166	94
Hamburger	798	270	274	362	1,314
Poultry, with skin	147	144	365	88	113
Poultry, skinless	266	179	208	111	108
Pork	58	148	59	112	118
Seafood	119	143	159	92	632
Other meat	0	42	274	58	0
Potatoes	0	0	602	0	0

Hollywood Center

# of food venues	2	
Days/week cooking	6	
PM10 fraction of PM	0.7	Updated CEIDARS Table with PM2.5 Fractions
PM2.5 fraction of PM	0.42	Updated CEIDARS Table with PM2.5 Fractions

Total # of equipment

Type	Total Equip
Auto charbroilers	0.2
Underfired charbroilers	1.2
Deep-fat fryer	1.8
Glad griddles	1.7
Clamshell griddles	0.0

Total lbs/day of meat

Type	Auto charbroilers	Underfired charbroil	Deep-fat fryer	Glad griddles	Clamshell griddles
Steak	7.9	36.5	55.1	45.9	0.4
Hamburger	26.9	54.8	83.5	100.0	6.1
Poultry, with skin	4.9	29.2	111.2	24.3	0.5
Poultry, skinless	9.0	36.3	63.4	30.7	0.5
Pork	2.0	30.0	18.0	30.9	0.6
Seafood	4.0	29.0	48.4	25.4	2.9
Other meat	0.0	8.5	83.5	16.0	0.0
Potatoes	0.0	0.0	183.4	0.0	0.0

Source[1]	Uncontrolled Emission Factors[2] (lb/1000 lb)		Quantity[3]	Emissions Controls[4] (percent reduction)		Controlled Emissions[5,6] (pounds/day)		
	ROG	PM	(lb/day)	VOC	PM	VOC	PM2.5	PM10
Project								
Charbroiler - New York Steak	0.86	17.19	44.49	86%	85%	0.01	0.05	0.08
Charbroiler - 25% fat Hamburger	3.94	32.65	81.68	86%	85%	0.05	0.17	0.28
Charbroiler - Chicken	1.82	10.48	79.47	86%	85%	0.02	0.05	0.09
Deep-fat Fryer - Shoestring fries	0.21	-	183.41	0%	0%	0.04	0.00	0.00
Deep-fat Fryer - breaded chicken patties	0.12	-	174.57	0%	0%	0.02	0.00	0.00
Deep-fat Fryer - breaded cod filet	0.14	-	48.44	0%	0%	0.01	0.00	0.00
Total Emissions						**0.14**	**0.27**	**0.45**

1. Assume each restaurant has one charbroiler and one deep-fat fryer
2. Accessed April 2016.
3. Quantity of steak and hamburger charbroiled is from SCAQMD Staff Report for Rule 1138 (Control of Emissions from Restaurant Operations) Dated October 10, 1997, found in SJVAPCD Final Draft Staff Report. Rule 4692
4. South Coast Air Quality Management District Rule 1138 (Control of Emissions from Restaurant Operations) regulates PM10 and VOC emissions from fast-food restaurants with charbroilers. Catalytic oxidizers reduce VOC
5. PM10 represents 70% of total PM and PM2.5 represents 42% of total PM from cooking/charbroiling operations, from: South Coast Air Quality Management District. 2006. Final –Methodology

Hollywood Center
Cooling Towers - All Residential
Air Quality Analysis

Cooling Towers Daily Emissions

High Flow Rate:	7.6	Gallons per Minute
Number of Units:	1	Cooling Towers
Operating Hours:	24	hr/day
Operation Days:	365	days/year

Cooling Towers Annual Emissions

Standard Flow Rate:	7.6	Gallons per Minute
Operating Hours:	24	hr/day
	365	day/yr

Cooling Tower Emissions

Untis	PM_{10}	$PM_{2.5}$	ROG
lbs/1000 gal	0.019	0.016	—
lbs/hr	0.009	0.007	—
lbs/day	0.208	0.178	—

Units	PM_{10}	$PM_{2.5}$	ROG
lbs/1000 gal	0.019	0.016	—
lbs/yr	75.86	65.01	—
tons/yr	0.038	0.033	—

Notes:

1. Flow rate based on 10,938 gallons per day (refer to Draft EIR Section IV.N.2, Water Supply).
2. USEPA, AP-42, Chapter 13.4 Wet Cooling Towers, January 1995.
3. SCAQMD, Final Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, October 2006). The PM10 to PM2.5 ratio for cooling towers is 0.7 to 0.6. Thus, PM2.5 is approximately 85.7% of PM10.
4. Cooling towers are assumed to operate up to 365 days per year.

Hollywood Center
Cooling Towers - Hotel Option
Air Quality Analysis

Cooling Towers Daily Emissions

High Flow Rate:	11.6	Gallons per Minute
Number of Units:	1	Cooling Towers
Operating Hours:	24	hr/day
Operation Days:	365	days/year

Cooling Towers Annual Emissions

Standard Flow Rate:	11.6	Gallons per Minute
Operating Hours:	24	hr/day
	365	day/yr

Cooling Tower Emissions

Untis	PM_{10}	$PM_{2.5}$	ROG
lbs/1000 gal	0.019	0.016	—
lbs/hr	0.013	0.011	—
lbs/day	0.318	0.272	—

Units	PM_{10}	$PM_{2.5}$	ROG
lbs/1000 gal	0.019	0.016	—
lbs/yr	115.95	99.37	—
tons/yr	0.058	0.050	—

Notes:

1. Flow rate based on 16,719 gallons per day (refer to Draft EIR Section IV.N.2, Water Supply).
2. USEPA, AP-42, Chapter 13.4 Wet Cooling Towers, January 1995.
3. SCAQMD, Final Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, October 2006). The PM10 to PM2.5 ratio for cooling towers is 0.7 to 0.6. Thus, PM2.5 is approximately 85.7% of PM10.
4. Cooling towers are assumed to operate up to 365 days per year.

Hollywood Center
Air Quality Assessment

Regional Operational Emissions
All Residential

Maximum Mitigated Regional Operational Emissions (pounds per day) [a]

Source	VOC	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
Area (Consumer Products, Landscaping)	34.7	1.0	83.0	0.004	0.5	0.5
Energy (Natural Gas)	0.5	4.3	2.7	0.027	0.3	0.3
Motor Vehicles	6.6	11.1	61.3	0.180	18.9	5.2
Area (Charbroiler)	0.3	-	-	-	0.9	0.5
Cooling Tower	-	-	-	-	0.2	0.2
Stationary (Emergency Generators)	1.6	29.9	17.1	0.0004	0.1	0.1
Total Project On-Site and Off-Site Emissions	**44**	**46.3**	**164**	**0.211**	**21**	**7**
SCAQMD Numeric Indicators	**55.0**	**55.0**	**550.0**	**150.0**	**150.0**	**55.0**
Over/(Under)	(11.3)	(8.7)	(385.9)	(149.8)	(129.0)	(48.2)
Exceeds Thresholds?	**No**	**No**	**No**	**No**	**No**	**No**

Hollywood Center
Air Quality Assessment

Localized Operational Emissions
All Residential

Maximum Mitigated Localized Operational Emissions (pounds per day) [a]

Source	NO_X	CO	PM_{10}	$PM_{2.5}$
Area (Consumer Products, Landscaping)	1	83	0.5	0.5
Energy (Natural Gas)	4	3	0.3	0.3
Area (Charbroiler)	-	-	0.9	0.5
Cooling Tower	-	-	0.2	0.2
Stationary (Emergency Generator)	30	17	0.1	0.1
Total Project On-Site Emissions	**35**	**103**	**2.0**	**1.6**
SCAQMD Numeric Indicators	**154.0**	**1755.0**	**3.7**	**2.0**
Over/(Under)	(119)	(1652)	(1.7)	(0.4)
Exceeds Thresholds?	**No**	**No**	**No**	**No**

Localized significance threshold from SCAQMD Look-Up tables for a 4.61-acre site in Central Los Angeles (SRA 1) with the neareast sensitive receptor at 25 meters from the Site.

Hollywood Center
Air Quality Assessment

Regional Operational Emissions
Hotel Option

Maximum Mitigated Regional Operational Emissions (pounds per day) [a]

Source	VOC	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
Area (Consumer Products, Landscaping)	34.1	0.8	73.1	0.004	0.4	0.4
Energy (Natural Gas)	0.5	4.8	3.3	0.030	0.4	0.4
Motor Vehicles	7.8	13.1	72.4	0.212	22.4	6.1
Area (Charbroiler)	0.3	-	-	-	0.9	0.5
Cooling Tower	-	-	-	-	0.3	0.3
Stationary (Emergency Generators)	1.6	29.9	17.1	0.0004	0.1	0.1
Total Project On-Site and Off-Site Emissions	**44**	**49**	**166**	**0.247**	**25**	**8**
SCAQMD Numeric Indicators	**55.0**	**55.0**	**550.0**	**150.0**	**150.0**	**55.0**
Over/(Under)	(10.6)	(6.3)	(384.2)	(149.8)	(125.5)	(47.2)
Exceeds Thresholds?	**No**	**No**	**No**	**No**	**No**	**No**

Hollywood Center
Air Quality Assessment

Localized Operational Emissions
Hotel Option

Maximum Mitigated Localized Operational Emissions (pounds per day) [a]

Source	NO_X	CO	PM_{10}	$PM_{2.5}$
Area (Consumer Products, Landscaping)	1	73	0.4	0.4
Energy (Natural Gas)	5	3	0.4	0.4
Area (Charbroiler)	-	-	0.9	0.5
Cooling Tower	-	-	0.3	0.3
Stationary (Emergency Generator)	30	17	0.1	0.1
Total Project On-Site Emissions	**36**	**93**	**2.1**	**1.7**
SCAQMD Numeric Indicators	**154.0**	**1755.0**	**3.7**	**2.0**
Over/(Under)	(118)	(1662)	(1.6)	(0.3)
Exceeds Thresholds?	**No**	**No**	**No**	**No**

Localized significance threshold from SCAQMD Look-Up tables for a 4.61-acre site in Central Los Angeles (SRA 1) with the neareast sensitive receptor at 25 meters from the Site.

Hollywood Center
Air Quality Assessment

West Site - Regional Operational Emissions

Maximum Mitigated Regional Operational Emissions (pounds per day) [a]

Source	VOC	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
Area (Consumer Products, Landscaping)	17.5	0.5	42.7	0.002	0.2	0.2
Energy (Natural Gas)	0.2	2.0	1.2	0.013	0.2	0.2
Motor Vehicles	3.3	5.4	30.1	0.087	8.9	2.4
Area (Charbroiler)	0.1	-	-	-	0.4	0.3
Cooling Tower	-	-	-	-	0.2	0.1
Stationary (Emergency Generators)	1.6	29.9	17.1	0.0004	0.1	0.1
Total Project On-Site and Off-Site Emissions	**23**	**38**	**91**	**0.102**	**10**	**3**
SCAQMD Numeric Indicators	**55.0**	**55.0**	**550.0**	**150.0**	**150.0**	**55.0**
Over/(Under)	(32.3)	(17.2)	(458.8)	(149.9)	(140.0)	(51.7)
Exceeds Thresholds?	**No**	**No**	**No**	**No**	**No**	**No**

Hollywood Center
Air Quality Assessment

West Site - Localized Operational Emissions

Maximum Mitigated Localized Operational Emissions (pounds per day) [a]

Source	NO_X	CO	PM_{10}	$PM_{2.5}$
Area (Consumer Products, Landscaping)	0.5	43	0.2	0.2
Energy (Natural Gas)	2	1	0.2	0.2
Area (Charbroiler)	-	-	0.4	0.3
Cooling Tower	-	-	0.2	0.1
Stationary (Emergency Generator)	30	17	0.1	0.1
Total Project On-Site Emissions	**32**	**61**	**1.1**	**0.9**
SCAQMD Numeric Indicators	**105.0**	**1019.0**	**2.0**	**1.9**
Over/(Under)	(73)	(958)	(0.9)	(1.0)
Exceeds Thresholds?	**No**	**No**	**No**	**No**

Localized significance threshold from SCAQMD Look-Up tables for a 1.92-acre site in Central Los Angeles (SRA 1) with the neareast sensitive receptor at 25 meters from the Site.

Hollywood Center Project

3. GHG Worksheets

GHG Calculation Worksheets and Model Outputs

1. Modeling Assumptions and Emissions Modeling Inputs
2. Emissions Modeling Outputs and Calculations
   a) Construction
   b) Operations
   c) Operations – Project Without GHG Reduction Characteristics, Features, and Measures

Hollywood Center Project

3. GHG Worksheets

GHG Calculation Worksheets and Model Outputs

1. Modeling Assumptions and Emissions Modeling Inputs

Hollywood Center Project
Air Quality and Greenhouse Gas Assessment

last update: 3/1/2019 Based on AECOM Tishman, 2018; Millennium Partners, 2018; ESA, 2018.

Construction Schedule and Vehicle Data

CalEEMod Construction Phase	Start Date	End Date	Number of Work Days (up to 6 days/week)	Max Daily Number of Workers	Max Daily Inbound + Outbound Worker Trips	Number of Hauling Days	Materia/ Soil Export (CY)	Materia/ Soil Import (CY)	Truck Capacity (CY)	Max Daily Number of Trucks	Max Daily Inbound + Outbound Truck Trips	Distance to Disposal Site (miles) *(Distance to Irwindale disposal site)*	Number of Concrete Truck Days	Concrete Mat Volume (CY)	Concrete Truck Capacity (CY)	Max Daily Number of Concrete Trucks	Max Daily Inbound + Outbound Concrete Truck Trips	Distance to Concrete Supply Site (miles) *(Used average distance of the 4 identified concrete sites)*	Max Daily Number of Delivery/ Vendor Trucks	Max Daily Inbound + Outbound Delivery/ Vendor Truck Trips
Project																				
WEST SITE																				
Demolition	1/4/2021	3/1/2021	49	6	12	2	912	-	14	**33**	**66**	30								
Site Preparation	2/1/2021	2/28/2021	24	12	24															
Grading/Excavation	2/11/2021	1/2/2022	279	112	224	209	281,370	-	14	**96**	**192**	30								
			258	112	224	209	281,370	-	20	**96**	**192**	30								
			137			88														
Foundations/Concrete Pour (Revised) [MHW104: Foundation]	*1/3/2022*	*2/28/2022*	*49*	*125*	*250*															
Shoring Wall													*19*			*10*	*20*	*7.5*		
Cast in Drilled Hole Foundation								*Assume overlap with Shoring Wall to keep within phase schedule -->*					*41*			*2*	*4*	*7.5*		
Mat Foundation (Continuous Pour)													*1*	*853*	*9 (approx.)*	***94***	***188***	*7.5*		
Column Footings													*4*			*21*	*42*	*7.5*		
Utilities/Trenching (Revised) [MHD101: Relocate/Protect Site Utilities]	*1/14/2021*	*2/3/2021*	*18*	*6*	*12*															
Building Construction (Revised) [Starting with MHW111: Parking Str.]	*3/1/2022*	*3/14/2024*	*639*	*300*	*600*														*25*	*50*
	3/1/2022	*7/15/2022*	*118*																	
Structure Equipment Garage	*3/1/2022*	*4/29/2022*	*52*										*52*			***42***	***84***	*7.5*		
Structure Equipment Tower	*4/30/2022*	*6/17/2022*	*42*										*42*			*21*	*42*	*7.5*		
Structure Equipment Affordable	*6/18/2022*	*7/13/2022*	*22*										*22*			*24*	*48*	*7.5*		
Retail	*7/14/2022*	*7/15/2022*	*2*										*2*			*14*	*28*	*7.5*		
Paving (Revised) [MHW112: Hardscape & Landscape]	*7/6/2023*	*10/2/2023*	*76*	*12*	*24*															
Architectural Coatings (Revised) [MHW109: Interior Finish]	*10/25/2022*	*1/31/2024*	*398*	*8*	*16*															
WEST SITE MAX DAILY WORKERS (Building + Paving + Architectural Coating):				**320**	**640**															
EAST SITE																				
Site Preparation	3/1/2022	3/31/2022	27	12	24	2	704	-	14	26	52	30								
Grading/Excavation	3/15/2022	1/10/2023	259	112	224	194	260,930	-	14	**96**	**192**	30								
Foundations/Concrete Pour (Revised) [MHE104: Foundation]	*1/11/2023*	*2/26/2023*	*40*	*124*	*248*															
Shoring Wall	*1/11/2023*	*2/14/2023*	*30*										*16*			*10*	*20*	*7.5*		
Cast in Drilled Hole Foundation								*Assume overlap with Shoring Wall to keep within phase schedule -->*					*30*			*2*	*4*	*7.5*		
Mat Foundation (Continuous Pour)	*2/15/2023*	*2/15/2023*	*1*										*1*	*632*	*9 (approx.)*	***71***	***142***	*7.5*		
Column Footings	*2/16/2023*	*2/20/2023*	*4*										*4*			*21*	*42*	*7.5*		
Utilities/Trenching (Revised) [MHD101: Relocate/Protect Site Utilities]	*3/15/2022*	*3/26/2022*	*11*	*6*	*12*															
Building Construction (Revised) [Starting with MHE111: Parking Str.]	*2/27/2023*	*6/22/2025*	*726*	*300*	*600*														*25*	*50*
	2/27/2023	*9/1/2023*	*161*																	
Structure Equipment Garage	*2/27/2023*	*5/4/2023*	*58*										*58*			***44***	***88***	*7.5*		
Structure Equipment Tower	*5/5/2023*	*8/8/2023*	*82*										*82*			*20*	*40*	*7.5*		
Structure Equipment Affordable	*8/9/2023*	*8/29/2023*	*18*										*18*			*18*	*36*	*7.5*		
Retail	*8/30/2023*	*9/1/2023*	*3*										*3*			*30*	*60*	*7.5*		
Paving (Revised) [MHE112: Hardscape & Landscape]	*7/12/2024*	*10/10/2024*	*78*	*12*	*24*															
Architectural Coatings (Revised) [MHE109: Interior Finish]	*10/14/2023*	*1/23/2025*	*401*	*8*	*16*															
EAST SITE MAX DAILY WORKERS (Building + Paving + Architectural Coating):				**320**	**640**															

MAXIMUM POTENTIAL OVERLAP (EAST SITE BEGINS AFTER GRADING/EXCAVATION and FOUNDATIONS OF WEST SITE)

	Number of Vehicles	Inbound + Outbound Trips
WORKERS	640	1,280
TRUCKS (HAUL AND/OR CONCRETE)	163	326

Hollywood Center Project Last Updated 3/1/2019
Air Quality and Greenhouse Gas Assessment

Table 1. Land Use and California Emissions Estimator Model (CalEEMod) Inputs

Land Use	CalEEMod Land Use Type	CalEEMod Land Use SubType	Value	Unit	Value	Unit	Land Size	
Proposed Project								
WEST SITE								
Senior Affordable Residential							Acre	
	Residential	Apartments Mid Rise	68	DU	67,705	sf	0.2	
Residential - Mixed Use High Rise	Residential	Condos/Townhouse High Rise	449	DU	581,464	sf	0.5	
Total Residential			517	DU	649,169	sf	0.7	
Recreational	Commercial	Fastfood Restaurant w/o Drive Thru	1.983	ksf	1,983	sf	0.1	
Recreational	Commercial	High Turnover Restaurant	11.237	ksf	11,237	sf	0.1	
Total Restaurant			13.220	ksf	13,220	sf		
Residential Common Space	Commercial	General Office Building	41.6	ksf	41,600	sf	0.1	
Senior Common Space	Commercial	General Office Building	3.974	ksf	3,974	sf		
Mixed Use Common Space	Commercial	General Office Building	37.626	ksf	37,626	sf		
Parking Enclosed	Parking	Enclosed Parking With Elevator	837	spaces	432,956	sf	0.5	
					1,136,945	sf		
Public Common Space	Recreational	City Park	34.205	ksf	34,205	sf	0.1	
Sidewalk	Parking	User Defined Parking	5.163	ksf	5,163	sf	0.223	
Private Balconies	Parking	Other Non-Asphalt Surface	22.45	ksf	22,450	sf	0.1	
						Total	1.923 acre	83,792 sf
East Site								1.923 acres
Senior Affordable Residential							Acre	
	Residential	Apartments Mid Rise	65	DU	67,149	sf	0.3	
Residential - Mixed Use High Rise	Residential	Apartments High Rise	423	DU	575,100	sf	0.95	
Total Residential	Residential	Apartments High Rise	488	DU	642,249	sf	1.25	
Retail	Commercial	Fastfood Restaurant w/o Drive Thru	2.732	ksf	2,732	sf	0.1	
Retail	Commercial	High Turnover Restaurant	15.482	ksf	15,482	sf	0.1	
Total Restaurant			18.214	ksf	18,214	sf		
Residential Common Space	Commercial	General Office Building	32.665	ksf	32,665	sf	0.1	
Senior Common Space	Commercial	General Office Building	4.211	ksf	4,211	sf		
Mixed Use Common Space	Commercial	General Office Building	28.454	ksf	28,454	sf		
Parking Enclosed	Parking	Enclosed Parking With Elevator	684	spaces	353,824	sf	0.8	
					1,046,952	total		
Public Common Space	Recreational	City Park	35.3	ksf	35,300	sf	0.1	
Level 1 Vine/Argyle Street	Recreational	City Park	22.3	ksf	22,300	sf		
Amenity Deck	Recreational	City Park	8.2	ksf	8,200	sf		
Senior Affordable Roof Deck	Recreational	City Park	4.8	ksf	4,800	sf		
Sidewalk	Parking	User Defined Non-Asphalt	1.627	ksf	1,627	sf	0.139	
Private Balconies	Parking	Other Non-Asphalt Surface	21.2	ksf	21,150	sf	0.1	
						Total	2.689 acre	117,133 sf
								2.689 acres

Source: Handel Architects, 2018 - 18404 HC All Res Option Data Spreadsheet
Restaurant uses were scaled to match traffic study where 15% of trips go to Fastfood Restaurant w/o drive thru and 85% go to High Turnover Restaurant
Private Balconies and sidewalk values are from Section II, *Project Description* of Project EIR

Hollywood Center Project Last Updated 3/1/2019
Air Quality and Greenhouse Gas Assessment

Table 1. Land Use and California Emissions Estimator Model (CalEEMod) Inputs

Land Use	CalEEMod Land Use Type	CalEEMod Land Use SubType	Value	Unit	Value	Unit	Land Size	
Proposed Project								
WEST SITE								
Senior Affordable Residential							Acre	
	Residential	Apartments Mid Rise	68	DU	67,705	sf	0.2	
Residential - Mixed Use High Rise	Residential	Condos/Townhouse High Rise	449	DU	581,464	sf	0.5	
Total Residential			517	DU	649,169	sf	0.7	
Recreational	Commercial	Fastfood Restaurant w/o Drive Thru	1.983	ksf	1,983	sf	0.1	
Recreational	Commercial	High Turnover Restaurant	11.237	ksf	11,237	sf	0.1	
Total Restaurant			13.220	ksf	13,220	sf		
Residential Common Space	Commercial	General Office Building	41.6	ksf	41,600	sf	0.1	
Senior Common Space	Commercial	General Office Building	3.974	ksf	3,974	sf		
Mixed Use Common Space	Commercial	General Office Building	37.626	ksf	37,626	sf		
Parking Enclosed	Parking	Enclosed Parking With Elevator	837	spaces	432,956	sf	0.5	
					1,136,945	sf		
Public Common Space	Recreational	City Park	34.205	ksf	34,205	sf	0.1	
Sidewalk	Parking	User Defined Parking	5.163	ksf	5,163	sf	0.223	
Private Balconies	Parking	Other Non-Asphalt Surface	22.45	ksf	22,450	sf	0.1	
						Total	1.923 acre	83,792 sf
East Site								1.923 acres
Senior Affordable Residential							Acre	
	Residential	Apartments Mid Rise	48	DU	51,898	sf	0.3	
Hotel	Recreational	Hotel	220	DU	141,606	sf	0.3	
Residential - Mixed Use High Rise	Residential	Apartments High Rise	319	DU	444,100	sf	0.65	
Total Residential	Residential	Apartments High Rise	367	DU	495,998	sf	0.95	
Retail	Commercial	Fastfood Restaurant w/o Drive Thru	2.732	ksf	2,732	sf	0.1	
Retail	Commercial	High Turnover Restaurant	15.482	ksf	15,482	sf	0.1	
Total Restaurant			18.214	ksf	18,214	sf		
Residential Common Space	Commercial	General Office Building	21.648	ksf	21,648	sf	0.1	
Senior Common Space	Commercial	General Office Building	3.8	ksf	3,800	sf		
Mixed Use Common Space	Commercial	General Office Building	17.848	ksf	17,848	sf		
Parking Enclosed	Parking	Enclosed Parking With Elevator	684	spaces	353,824	sf	0.8	
					1,031,290	total		
Public Common Space	Recreational	City Park	35.3	ksf	35,300	sf	0.1	
Level 1 Vine/Argyle Street	Recreational	City Park	22.3	ksf	22,300	sf		
Amenity Deck	Recreational	City Park	8.2	ksf	8,200	sf		
Senior Affordable Roof Deck	Recreational	City Park	4.8	ksf	4,800	sf		
Sidewalk	Parking	User Defined Non-Asphalt	1.627	ksf	1,627	sf	0.139	
Private Balconies	Parking	Other Non-Asphalt Surface	16.0	ksf	15,950	sf	0.1	
						Total	2.689 acre	117,133 sf
								2.689 acres

Source: Handel Architects, 2018 - 18404 HC Hotel Option Data Spreadsheet
Restaurant uses were scaled to match traffic study where 15% of trips go to Fastfood Restaurant w/o drive thru and 85% go to High Turnover Restaurant
Private Balconies and sidewalk values are from Section II, *Project Description* of Project EIR

Hollywood Center Project
Air Quality and Greenhouse Gas Assessment - Construction Assumptions

Off-Road Heavy-Duty Construction Equipment - West Site

Construction Phase	Heavy-Duty Equipment	No. of Heavy-Duty Equipment	Project Hours of Operation/Day Per Equipment	Hours of Operation/Week Per Equipment	Notes/Comments
Demolition	Air Compressors	1	8	48	
	Concrete/Industrial Saws	2	8	48	
	Dumpers/Tenders	1	8	48	
	Excavator	1	8	48	
	Jackhammers (generator)	1	8	48	Powered by generator
	Rubber Tired Loaders	1	8	48	
Site Preparation	Excavator	1	8	48	
	Rubber Tired Loaders	1	8	48	
Grading/Excavation	Dumper/Tenders	2	8	48	
	Excavator	4	8	48	
	Plate Compactor	2	8	48	
	Rubber Tired Loaders	2	8	48	
	Tractors/Loaders/Backhoes	1	8	48	
	Bore/Drill Rigs	1	8	48	
Drainage/Utilities/Trenching	Air Compressors	1	8	48	
	Concrete/Industrial Saws	1	8	48	
	Cranes	1	8	48	
	Tractors/Loaders/Backhoes	1	8	48	
Foundation/Concrete Pour	Air Compressors	1	8	48	
	Cranes	1	8	48	
	Dumpers/Tenders	2	8	48	
	Forklifts	1	8	48	
	Jackhammers (generator)	1	8	48	Powered by generator
	Pumps	2	14	84	Run separately (1 day)
	Tractors/Loaders/Backhoes	1	8	48	
Building Construction	Air Compressors	1	8	48	
	Bore/Drill Rigs	1	8	48	
	Cranes	2	8	48	
	Dumpers/Tenders	2	8	48	
	Forklifts	1	8	48	
	Jackhammers (generator)	1	8	48	Powered by generator
	Pumps	1	8	48	
	Tractors/Loaders/Backhoes	1	8	48	
Paving	Concrete/Industrial Saws	1	8	48	
	Graders	1	8	48	
	Pavers	1	8	48	
	Paving Equipment	1	8	48	
	Plate Compactor	1	8	48	
	Rollers	1	8	48	
	Surfacing Equipment	1	8	48	
	Sweepers/Scrubbers	1	8	48	
Architectural Coating	Air Compressor	1	8	48	
	Dumpers/Tenders	1	8	48	
	Forklifts	1	8	48	

Source: Millenium Partners, 2018; ESA, 2018

Hollywood Center Project
Air Quality and Greenhouse Gas Assessment - Construction Assumptions

Off-Road Heavy-Duty Construction Equipment - East Site

Construction Phase	Heavy-Duty Equipment	No. of Heavy-Duty Equipment	Project Hours of Operation/Day Per Equipment	Hours of Operation/Week Per Equipment	Notes/Comments
Site Preparation	Excavator	1	8	48	
	Rubber Tired Loaders	1	8	48	
Grading/Excavation	Dumper/Tenders	2	8	48	
	Excavator	4	8	48	
	Plate Compactor	2	8	48	
	Rubber Tired Loaders	2	8	48	
	Tractors/Loaders/Backhoes	1	8	48	
	Bore/Drill Rig	1	8	48	
Drainage/Utilities/Trenching	Air Compressors	1	8	48	
	Concrete/Industrial Saws	1	8	48	
	Cranes	1	8	48	
	Tractors/Loaders/Backhoes	1	8	48	
Foundation/Concrete Pour	Air Compressors	1	8	48	
	Cranes	1	8	48	
	Dumpers/Tenders	2	8	48	
	Forklifts	1	8	48	
	Jackhammers (generator)	1	8	48	Powered by generator
	Pumps	2	11	66	Run separately (1 day)
	Tractors/Loaders/Backhoes	1	8	48	
Building Construction	Air Compressors	1	8	48	
	Bore/Drill Rigs	1	8	48	
	Cranes	2	8	48	
	Dumpers/Tenders	2	8	48	
	Forklifts	1	8	48	
	Jackhammers (generator)	1	8	48	Powered by generator
	Pumps	1	8	48	
	Tractors/Loaders/Backhoes	1	8	48	
Paving	Concrete/Industrial Saws	1	8	48	
	Graders	1	8	48	
	Pavers	1	8	48	
	Paving Equipment	1	8	48	
	Plate Compactor	1	8	48	
	Rollers	1	8	48	
	Surfacing Equipment	1	8	48	
	Sweepers/Scrubbers	1	8	48	
Architectural Coating	Air Compressor	1	8	48	
	Dumpers/Tenders	1	8	48	
	Forklifts	1	8	48	

Source: Millenium Partners, 2018; ESA, 2018

Hollywood Center
Draft Environmental Impact Report
Quantifying Greenhouse Gas Mitigation Measures - Transportation (Based on CAPCOA Guidance (August 2010))

PROJECT

Location Type	Global % VMT Reduction Cap
Urban:	75%

Less than 5 miles from central business district
Jobs-rich (jobs/housing ratio greater than 1.5)
Typical buildings are 6 stories or higher
Grid street pattern
Minimal setbacks
Parking constrained on- and off-street
Parking prices high/highest in the region
High-quality rail; bus service at 10 min or less in peak hours

Location Type	Global % VMT Reduction Cap
Suburban Center:	20%

Typically 20 miles or more from central business district
Balanced jobs-housing
Typical buildings are 2 stories
Grid street pattern
Setbacks 0 - 20 feet
Parking somewhat constrained on-street; ample off-street
Parking prices low (if priced at all)
Bus service at 20 - 30 min and/or commuter rail station

Compact Infill: 40%
Typically 5 - 15 miles from central business district
Balanced jobs-housing (jobs/housing ratio from 0.9 to 1.2)
Typical buildings are 2 - 4 stories
Grid street pattern
Setbacks 0 - 20 feet
Parking constrained
Parking prices low/moderate
Rail w/in 2 miles; bus service at 15 min or less in peak hours

Suburban: 15%
Typically 20 miles or more from central business district
Housing-rich
Typical buildings are 1 - 2 stories
Curvilinear street pattern (cul-de-sac based)
Parking between street and buildings; large lot residential
Parking ample; largely surface lot-based
No parking prices
Limited bus service at 30 minute headways or more

Total Global Transportation VMT Reduction = **41.42%** Cap: 75%
(Includes double counting correction.)

Total LUT/SDT/PDT/TST VMT Reduction = **41.42%** Cap: 70%

Land Use/Location Transportation Measures (65% Reduction Cap)

Total LUT % VMT Reduction = **41.42%** Cap: 65%

LUT-1 Increase Density

% VMT Reduction = A × B [not to exceed 30%]

A (housing) = (Number of DU/acre - 7.6) / 7.6
A (jobs) = (Number of Jobs/acre - 20) / 20
B = 0.07%

% VMT Reduction = 0.00% Cap: 30%
Number of DU/acre: - A = 0%
Number of Jobs/acre: - A = 0%

LUT-2 Increase Location Efficiency

% VMT Reduction Cap for all LUT measures

Urban LUT % VMT Reduction Cap: 65%
Compact Infill LUT % VMT Reduction Cap: 30%
Suburban Center LUT % VMT Reduction Cap: 10%

LUT-3 Increase Diversity of Urban and Suburban Developments (Mixed Use)

Urban: The urban project will be predominantly characterized by properties on which various uses, such as office, commercial, institutional, and residential, are combined in a single building or on a single site in an integrated development project with functional interrelationships and a coherent physical design.

Suburban: The suburban project will have at least three uses of the following on site and/or offsite within ½-mile: Residential Development, Retail Development, Park, Open Space, or Office.

(ACOUNTED FOR IN TRAFFIC STUDY)

% VMT Reduction = Land Use × B [not to exceed 30%]
Land Use = % increase in land use index vs. single use
= (Land Use Index - 0.15) / 0.15
Land Use Index = -a / ln(6)
$a = \sum a_i \times \ln(a_i)$
a_i = building floor area / total square feet of area considered
a_1 = single family
a_2 = multi-family
a_3 = commercial B = 0.09
a_4 = industrial
a_5 = institutional
a_6 = park

% VMT Reduction = 0.00% Cap: 30%

Single family sqft:	-	a_1 =	-
Multi-family sqft:	-	a_2 =	-
Commercial sqft:	-	a_3 =	-
Industrial sqft:	-	a_4 =	-
Institutional sqft:	-	a_5 =	-
Park sqft:	-	a_6 =	-
Total sqft:	-		

(Note: If a_i = 0, then set a_i = 0.0000001)

LUT-4 Increase Destination Accessibility

% VMT Reduction = Center Distance × B [not to exceed 20%]
Center Distance = (12 - Miles to downtown or job center) / 12
B = 0.20

% VMT Reduction = 11.13% Cap: 20%
Miles to downtown or job center: 5.3
(Average distance to: Beverly Hills, Century City, Hollywood and Downtown L.A.
These locations are identified as job centers by Metro and by SCAG.)
(Note: Only effective for 8 miles or less)

LUT-5 Increase Transit Accessibility

(ACOUNTED FOR IN TRAFFIC STUDY)

% VMT Reduction = Transit × B [not to exceed 30%]
Transit = % project transit - % typical ITE transit
% project transit = -50x + 38 [where x = 0 - 0.5 miles to transit]
-4.4x + 15.2 [where x = 0.5 - 3 miles to transit]
% typical ITE transit = 1.3%
B = 0.67

% VMT Reduction = 16.21% Cap: 30%
Miles to transit: 0.25
(Note: Only effective for 3 miles or less)

LUT-6 Integrated Affordable and Below Market Rate Housing

% VMT Reduction = 4% × % units BMR

% VMT Reduction = 0.00%
% of units below market rate: 0.0%
(Note: Only effective up to 30%)

LUT-7 Orient Project Toward Non-Auto Corridor

Not quantified separately; Assumed to be included in LUT-3
(If included in LUT-3, VMT reduction should be at least 0.5% per 1% inprovement in transit frequency and 0.5% per 10% increase in transit ridership)

LUT-8 Locate Project near Bike Path/Bike Lanes

Not quantified separately; Assumed to be included in LUT-4
(If included in LUT-4, VMT reduction should be at least 0.625%)

LUT-9 Improve Design of Development

% VMT Reduction = Intersections × B
Intersections = % increase vs. typical ITE suburban
= (Intersections per square mile of project - 36) / 36
B = 0.12

% VMT Reduction = 21.33%
Intersections per square mile: 100
(Estimated based on count of 4-way intersections within 1 mile radius of project site.)
(Note: Only effective up to 100)

Neighborhood/Site Enhancement Measures (5% Reduction Cap without NEV; 15% Reduction Cap with NEV)

Total SDT % VMT Reduction = **0.00%** Cap: 5% without NEV
Cap: 15% With NEV

SDT-1 Provide Pedestrian Network Improvements

VMT reduction based on urban/rural context and pedestrian accomodations

% VMT Reduction = 0.00%
Pedestrian network on-site and connecting off-site (urban/suburban): 2%
Pedestrian network on-site (urban/suburban): 1%
(Mark an "X" in one of the above)

SDT-2 Provide Traffic Calming Measures

Marked crosswalks, count-down signal timers, curb extensions, speed tables, rasied crosswalks, raised intersections, median islands, tight corner radii, roundabouts, on-street parking, planter strips with trees, chicanes/chokers, and others.

% VMT Reduction = 0.00%

25% of streets with improvements:	A
50% of streets with improvements:	B
75% of streets with improvements:	C
100% of streets with improvements:	D
25% of intersctions with improvements:	W
50% of intersctions with improvements:	X
75% of intersctions with improvements:	Y
100% of intersctions with improvements:	Z

(Mark an "X" in one of the above for each group)

% of intersections with improvements	% of streets with improvements: A	B	C	D
W	0.25%	0.25%	0.50%	0.50%
X	0.25%	0.50%	0.50%	0.75%
Y	0.50%	0.50%	0.75%	0.75%
Z	0.50%	0.75%	0.75%	1.00%

SDT-3	Neighborhood Electric Vehicle Network	% VMT Reduction = Pop × Number × NEV Pop × Number = NEVs per household [0.04 to 1.0] NEV = VMT reduction rate per household [12.7%]	% VMT Reduction =	0.00%		
			Low NEVs per Household:		0.04	
			High NEVs per Household:		1.0	
			(Mark an "X" in one of the above)			
SDT-4	Create Urban Non-Motorized Zones	Not quantified separately; Assumed to be included in SDT-1 (If included in SDT-1, VMT reduction should be at least 0.01% to 0.2%)				
SDT-5	Incorporate Bike Lane Street Design	Not quantified separately; Assumed to be included in LUT-9 (If included in LUT-9, VMT reduction should be at least 1% of worker commute per additional mile of bike lanes per square mile)				
SDT-6	Provide Bike Parking in Non-Residential Projects	Not quantified separately; Assumed to be included in LUT-9 (If included in LUT-9, VMT reduction should be at least 0.625%)				
SDT-7	Provide Bike Parking in Multi-Unit Residential Projects	Not quantified separately; Assumed to be included in LUT-9				
SDT-8	Provide Electric Vehicle Parking	Not quantified separately; Assumed to be included in SDT-3				
SDT-9	Dedicated Land for Bike Trails	Not quantified separately; Assumed to be included in LUT-9				
Parking Policy/Pricing (20% Reduction Cap)			**Total PDT % VMT Reduction =**	**0.00%**	Cap:	20%
PDT-1	Limit Parking Supply	% VMT Reduction = = (Actual Parking - ITE Parking) / ITE Parking × 0.5	% VMT Reduction =	0.00%	Cap:	12.50%
			Actual Parking Spaces:	-		
			ITE Parking Spaces:	-		
PDT-2	Unbunble Parking Costs from Property	% VMT Reduction = Change in vehicle cost × elasticity × A Change in vehicle cost = Monthly parking cost × (12/$4000) Elasticity = 0.4 A = 85%	% VMT Reduction =	0.00%	Cap:	13%
			Monthly parking cost:	$ -		
PDT-3	Implement Market Price Public Parking (On-Street)	% VMT Reduction = Park$ × B Park$ = Percent increase in on-street parking prices [minimum of 25%] B = 0.11	% VMT Reduction =	0.00%	Cap:	5.5%
			Actual On-Street Parking Price:	$ -		
			Baseline On-Street Parking Price:	$ -		
PDT-4	Require Residential Area Parking Permits	Not quantified separately; Assumed to be included in PDT-1, -2-, and -3 (If included in LUT-9, VMT reduction should be at least 0.09% to 0.36% depending on land use)				
Transit System Improvements (10% Reduction Cap)			**Total TST % VMT Reduction =**	**0.00%**	Cap:	10%
TST-1	Provide a Bus Rapid Transit System	% VMT Reduction = Riders × Mode × Lines × D Riders = 28% Mode = 17% Urban Center 4% Urban 1.30% Suburban Lines = Percent of lines serving project converting to BRT D = 0.67	% VMT Reduction =	0.00%	Cap:	3.2%
			Urban Center:		17%	
			Urban:		4%	
			Suburban:		1.30%	
			(Mark an "X" in one of the above)			
			Lines Converting to BRT:		0%	
			Total Baseline Lines:			
TST-2	Implement Transit Access Improvements	Not quantified separately; Assumed to be included in TST-3 and -4				
TST-3	Expand Transit Network	% VMT Reduction = Coverage × B × Mode × D Coverage = % increase in transit network coverage B = 0.65 Urban Center 0.72 Urban 1.01 Suburban Mode = 17% Urban Center 4% Urban 1.30% Suburban D = 0.67	% VMT Reduction =	0.00%	Cap:	8.2%
			Urban Center:		17%	0.65
			Urban:		4%	0.72
			Suburban:		1.30%	1.01
			(Mark an "X" in one of the above)			
			Coverage:			
TST-4	Increase Transit Service Frequency/Speed	% VMT Reduction = Headway × B × C × Mode × E Headway = % reduction in headways [15% - 80%] B = 0.32 Urban 0.36 Suburban C = 50% < 50% lines improved 85% >= 50% lines improved Mode = 17% Urban Center 4% Urban 1.30% Suburban E = 0.67	% VMT Reduction =	0.00%	Cap:	2.5%
			Urban Center:		17%	0.32
			Urban:		4%	0.32
			Suburban:		1.30%	0.36
			(Mark an "X" in one of the above)			
			Headway:			
			Percent of Lines Improved:			
TST-5	Provide Bike Parking Near Transit	Not quantified separately; Assumed to be included in TST-3 and -4				
TST-6	Provide Local Shuttles	Not quantified separately; Assumed to be included in TST-3 and -4				
Commute Trip Reduction (25% Reduction Cap - WORK VMT ONLY)			**Total TRT % Work VMT Reduction =**	**0.00%**	Cap:	25%
			% Work VMT of Total VMT:	**2.5%**		
			Total TRT % Overall VMT Reduction =	**0.00%**	Cap:	15%
TRT-1	Implement Voluntary Commute Trip Reduction Program	% Work VMT Reduction = A × B A = 6.2% Urban 5.4% Suburban Center 5.2% Suburban B = % employees eligible	% Work VMT Reduction =	0.00%	Cap:	6.2%
			Urban:		6.2%	
			Suburban Center:		5.4%	
			Suburban:		5.2%	
			(Mark an "X" in one of the above)			
			% Employees Eligible:			

TRT-2	Implement Required Commute Trip Reduction Program	% Work VMT Reduction = A × B A = 21% B = % employees eligible	% Work VMT Reduction = 0.00% Cap: 21.0% % Employees Eligible:
TRT-3	Provide Ride-Sharing Programs	% Work VMT Reduction = Commute × Employee Commute = 15% Urban 10% Suburban Center 5% Suburban Employee = % employees eligible	% Work VMT Reduction = 0.00% Cap: 15.0% Urban: 15% Suburban Center: 10% Suburban: 5% (Mark an "X" in one of the above) % Employees Eligible:
TRT-4	Implement Subsidized or Discounted Transit Program	% Work VMT Reduction = A × B × C A = % reduction in commute vehicle trips B = % employees eligible C = Adjustment from VT to VMT [1.0]	% Work VMT Reduction = 0.00% Cap: 20.0% Urban: A Suburban Center: B Suburban: C Transit Subsidy: $0.75 W Transit Subsidy: $1.49 X Transit Subsidy: $2.98 Y Transit Subsidy: $5.96 Z (Mark an "X" in one of the above for each group) % Employees Eligible:
TRT-5	Provide End of Trip Facilities	Not quantified separately; Assumed to be included in TRT-1 through -3 (If included, Work VMT reduction should be 2% to 5%, or total VMT reduction should be 0.02% to 0.625%)	
TRT-6	Encourage Telecommuting and Alternate Work Schedules	% Reduction in Commute VMT	% Work VMT Reduction = 0.00% Cap: 5.5% 9-day/80-hour Work Week: A 4-day/40-hour Work Week: B Telecommuting 1.5 Days: C Employee Participation: 1% V Employee Participation: 3% W Employee Participation: 5% X Employee Participation: 10% Y Employee Participation: 25% Z (Mark an "X" in one of the above for each group)
TRT-7	Implement Commute Trip Reduction Marketing	% Work VMT Reduction = A × B × C A = % reduction in commute vehicle trips [4%] B = % employees eligible C = Adjustment from VT to VMT [1.0]	% Work VMT Reduction = 0.00% Cap: 4.0% % Employees Eligible:
TRT-8	Implement Preferential Permit Parking Program	Not quantified separately; Assumed to be included in TRT-1 through -3	
TRT-9	Implement Car-Sharing Program	% Work VMT Reduction = A × B / C A = % reduction in car-share member annual VMT [37%] B = number of car share members per shared car [20] C = 1,000 Urban 2,000 Suburban	% Work VMT Reduction = 0.00% Cap: 0.74% Urban: 1,000 Suburban: 2,000 (Mark an "X" in one of the above)
TRT-10	Implement a School Pool Program	Not applicable.	
TRT-11	Provide Employer-Sponsored Vanpool/Shuttle	% Work VMT Reduction = A × B × C A = % shift in vanpool mode share of commute trips = 2% to 20% B = % employees eligible C = 0.67	% Work VMT Reduction = 0.00% Cap: 13.4% A: Shift in Vanpool Mode Share: B: Employees Eligible:
TRT-12	Implement Bike Sharing Program	Not quantified separately; Assumed to be included in LUT-9 and SDT-5 (If included, total VMT reduction should be at least 0.03%)	
TRT-13	Implement School Bus Program	Not applicable.	
TRT-14	Price Workplace Parking	% Work VMT Reduction = A × B A = % reduction in commute VMT B = % employees subject to priced parking	% Work VMT Reduction = 0.00% Cap: 19.7% Urban: A Suburban Center: B Suburban: C Daily Parking Charge: $1 W Daily Parking Charge: $2 X Daily Parking Charge: $3 Y Daily Parking Charge: $6 Z (Mark an "X" in one of the above for each group) % Employees Subject to Priced Parking:
TRT-15	Implement Employee Parking Cash-Out	% Work VMT Reduction = A × B A = 7.7% Urban 4.5% Suburban Center 3.0% Suburban B = % employees eligible	% Work VMT Reduction = 0.00% Cap: 7.7% Urban: 7.7% Suburban Center: 4.5% Suburban: 3.0% (Mark an "X" in one of the above) % Employees Eligible:

Daily Transit Subsidy

Setting	W	X	Y	Z
A	6.2%	12.9%	20%	20%
B	3.4%	7.3%	16.4%	20%
C	1.5%	3.3%	7.9%	20%

Employee Participation

Schedule	V	W	X	Y
A	0.07%	0.21%	0.35%	0.70%
B	0.15%	0.45%	0.75%	1.50%
C	0.22%	0.66%	1.10%	2.20%

Daily Parking Charge

Setting	W	X	Y	Z
A	6.9%	12.5%	16.8%	19.7%
B	1.8%	3.7%	5.4%	6.8%
C	0.5%	1.2%	1.9%	2.8%

Hollywood Center Project

3. GHG Worksheets

GHG Calculation Worksheets and Model Outputs

2. Emissions Modeling Outputs and Calculations

a) Construction

Hollywood Center
Construction GHG Emissions
Overlap Scenario

	Metric Tons/Year	
Year	**Total**	
2021	2,955	
2022	4,184	
2023	3,442	
2024	2,161	
2025	734	
	13,476	**Total**
	449	**Amortized over 30 years**

Hollywood Center - West - Construction

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	41.60	1000sqft	0.10	41,600.00	0
Enclosed Parking with Elevator	837.00	Space	0.50	432,956.00	0
Other Non-Asphalt Surfaces	22.45	1000sqft	0.10	22,450.00	0
User Defined Parking	5.16	User Defined Unit	0.22	5,163.00	0
City Park	0.79	Acre	0.10	34,205.00	0
Fast Food Restaurant w/o Drive Thru	1.98	1000sqft	0.10	1,983.00	0
High Turnover (Sit Down Restaurant)	11.24	1000sqft	0.10	11,237.00	0
Apartments Mid Rise	68.00	Dwelling Unit	0.20	67,705.00	194
Condo/Townhouse High Rise	449.00	Dwelling Unit	0.50	581,464.00	1284

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2024
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - see construction assumptions

Construction Phase - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions. Jackhammer assumed to be powered by generator set.

Off-road Equipment - see construction assumptions. Jackhammers assumed to be powered by generator set.

Off-road Equipment - see construction assumptions. Jackhammers assumed to be powered by generator.

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Trips and VMT - see construction assumptions

Demolition - 912 CY converted to building square footage.

Grading - see construction assumptions

Woodstoves - see construction assumptions

Construction Off-road Equipment Mitigation - see construction assumptions

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	44,513.00	55,738.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	133,538.00	167,213.00
tblArchitecturalCoating	ConstArea_Parking	27,634.00	26,287.00
tblAreaCoating	Area_Nonresidential_Exterior	44513	45115
tblAreaCoating	Area_Nonresidential_Interior	133538	135344
tblAreaCoating	Area_Parking	27634	26786
tblAreaCoating	Area_Residential_Exterior	438189	437603
tblAreaCoating	Area_Residential_Interior	1314567	1312808
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstructionPhase	NumDays	10.00	398.00
tblConstructionPhase	NumDays	200.00	49.00

tblConstructionPhase	NumDays	200.00	639.00
tblConstructionPhase	NumDays	20.00	49.00
tblConstructionPhase	NumDays	4.00	279.00
tblConstructionPhase	NumDays	10.00	76.00
tblConstructionPhase	NumDays	2.00	24.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	57.80	0.00
tblFireplaces	NumberGas	381.65	0.00
tblFireplaces	NumberNoFireplace	6.80	0.00
tblFireplaces	NumberNoFireplace	44.90	0.00
tblFireplaces	NumberWood	3.40	0.00
tblFireplaces	NumberWood	22.45	0.00
tblGrading	AcresOfGrading	0.00	1.92
tblGrading	AcresOfGrading	0.00	1.92
tblGrading	MaterialExported	0.00	281,370.00
tblLandUse	LandUseSquareFeet	334,800.00	432,956.00
tblLandUse	LandUseSquareFeet	0.00	5,163.00

tblLandUse	LandUseSquareFeet	34,412.40	34,205.00
tblLandUse	LandUseSquareFeet	1,980.00	1,983.00
tblLandUse	LandUseSquareFeet	11,240.00	11,237.00
tblLandUse	LandUseSquareFeet	68,000.00	67,705.00
tblLandUse	LandUseSquareFeet	449,000.00	581,464.00
tblLandUse	LotAcreage	0.96	0.10
tblLandUse	LotAcreage	7.53	0.50
tblLandUse	LotAcreage	0.52	0.10
tblLandUse	LotAcreage	0.00	0.22
tblLandUse	LotAcreage	0.79	0.10
tblLandUse	LotAcreage	0.05	0.10
tblLandUse	LotAcreage	0.26	0.10
tblLandUse	LotAcreage	1.79	0.20
tblLandUse	LotAcreage	7.02	0.50
tblOffRoadEquipment	HorsePower	187.00	84.00
tblOffRoadEquipment	LoadFactor	0.41	0.74
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00

tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	38.69	39.23
tblWater	IndoorWaterUseRate	7,393,723.92	7,496,809.49
tblWater	OutdoorWaterUseRate	941,270.27	953,185.08
tblWater	OutdoorWaterUseRate	4,531,637.24	4,594,818.72
tblWoodstoves	NumberCatalytic	3.40	0.00
tblWoodstoves	NumberCatalytic	22.45	0.00
tblWoodstoves	NumberNoncatalytic	3.40	0.00
tblWoodstoves	NumberNoncatalytic	22.45	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/4/2021	3/1/2021	6	49	
2	Utilities/Trenching	Trenching	1/14/2021	2/3/2021	6	18	

3	Site Preparation	Site Preparation	2/1/2021	2/28/2021	6	24	
4	Grading	Grading	2/11/2021	1/2/2022	6	279	
5	Foundations/Concrete Pour	Building Construction	1/3/2022	2/28/2022	6	49	
6	Building Construction	Building Construction	3/1/2022	3/14/2024	6	639	
7	Architectural Coating	Architectural Coating	10/25/2022	1/31/2024	6	398	
8	Paving	Paving	7/6/2023	10/2/2023	6	76	

Acres of Grading (Site Preparation Phase): 1.923

Acres of Grading (Grading Phase): 1.923

Acres of Paving: 0.823

Residential Indoor: 1,314,567; Residential Outdoor: 438,189; Non-Residential Indoor: 167,213; Non-Residential Outdoor: 55,738; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Air Compressors	1	8.00	78	0.48
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Demolition	Dumpers/Tenders	1	8.00	16	0.38
Demolition	Excavators	1	8.00	158	0.38
Demolition	Generator Sets	1	8.00	84	0.74
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Rubber Tired Loaders	1	8.00	203	0.36
Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Utilities/Trenching	Air Compressors	1	8.00	78	0.48
Utilities/Trenching	Concrete/Industrial Saws	1	8.00	81	0.73
Utilities/Trenching	Cranes	1	8.00	231	0.29
Utilities/Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Excavators	1	8.00	158	0.38
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	0	7.00	247	0.40
Site Preparation	Rubber Tired Loaders	1	8.00	203	0.36

Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Dumpers/Tenders	2	8.00	16	0.38
Grading	Excavators	4	8.00	158	0.38
Grading	Graders	0	6.00	187	0.41
Grading	Plate Compactors	2	8.00	8	0.43
Grading	Rubber Tired Dozers	0	6.00	247	0.40
Grading	Rubber Tired Loaders	2	8.00	203	0.36
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Foundations/Concrete Pour	Air Compressors	1	8.00	78	0.48
Foundations/Concrete Pour	Cranes	1	8.00	231	0.29
Foundations/Concrete Pour	Dumpers/Tenders	2	8.00	16	0.38
Foundations/Concrete Pour	Forklifts	1	8.00	89	0.20
Foundations/Concrete Pour	Generator Sets	1	8.00	84	0.74
Foundations/Concrete Pour	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Foundations/Concrete Pour	Welders	0	8.00	46	0.45
Building Construction	Air Compressors	1	8.00	78	0.48
Building Construction	Bore/Drill Rigs	1	8.00	221	0.50
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Dumpers/Tenders	2	8.00	16	0.38
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Architectural Coating	Air Compressors	1	8.00	78	0.48
Architectural Coating	Dumpers/Tenders	1	8.00	16	0.38
Architectural Coating	Forklifts	1	8.00	89	0.20
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Concrete/Industrial Saws	1	8.00	81	0.73
Paving	Graders	1	8.00	84	0.74

Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Plate Compactors	1	8.00	8	0.43
Paving	Rollers	1	8.00	80	0.38
Paving	Surfacing Equipment	1	8.00	263	0.30
Paving	Sweepers/Scrubbers	1	8.00	64	0.46
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.9200e-003	0.0000	4.9200e-003	7.5000e-004	0.0000	7.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0506	0.4351	0.4552	8.6000e-004		0.0218	0.0218		0.0214	0.0214	0.0000	74.4569	74.4569	0.0109	0.0000	74.7294
Total	**0.0506**	**0.4351**	**0.4552**	**8.6000e-004**	**4.9200e-003**	**0.0218**	**0.0267**	**7.5000e-004**	**0.0214**	**0.0221**	**0.0000**	**74.4569**	**74.4569**	**0.0109**	**0.0000**	**74.7294**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.9200e-003	0.0000	1.9200e-003	2.9000e-004	0.0000	2.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0506	0.4351	0.4552	8.6000e-004		0.0218	0.0218		0.0214	0.0214	0.0000	74.4568	74.4568	0.0109	0.0000	74.7293
Total	**0.0506**	**0.4351**	**0.4552**	**8.6000e-004**	**1.9200e-003**	**0.0218**	**0.0237**	**2.9000e-004**	**0.0214**	**0.0216**	**0.0000**	**74.4568**	**74.4568**	**0.0109**	**0.0000**	**74.7293**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.3 Utilities/Trenching - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0115	0.1064	0.0931	1.7000e-004		5.4700e-003	5.4700e-003		5.2400e-003	5.2400e-003	0.0000	14.9215	14.9215	2.7600e-003	0.0000	14.9905
Total	**0.0115**	**0.1064**	**0.0931**	**1.7000e-004**		**5.4700e-003**	**5.4700e-003**		**5.2400e-003**	**5.2400e-003**	**0.0000**	**14.9215**	**14.9215**	**2.7600e-003**	**0.0000**	**14.9905**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.7800e-003	0.0627	0.0752	1.7000e-004		3.6900e-003	3.6900e-003		3.6100e-003	3.6100e-003	0.0000	10.3596	10.3596	1.2900e-003	0.0000	10.3917
Total	**7.7800e-003**	**0.0627**	**0.0752**	**1.7000e-004**		**3.6900e-003**	**3.6900e-003**		**3.6100e-003**	**3.6100e-003**	**0.0000**	**10.3596**	**10.3596**	**1.2900e-003**	**0.0000**	**10.3917**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.4 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0200e-003	0.0000	1.0200e-003	1.1000e-004	0.0000	1.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.8700e-003	0.0722	0.0585	1.4000e-004		2.8000e-003	2.8000e-003		2.5800e-003	2.5800e-003	0.0000	12.0338	12.0338	3.8900e-003	0.0000	12.1311
Total	**6.8700e-003**	**0.0722**	**0.0585**	**1.4000e-004**	**1.0200e-003**	**2.8000e-003**	**3.8200e-003**	**1.1000e-004**	**2.5800e-003**	**2.6900e-003**	**0.0000**	**12.0338**	**12.0338**	**3.8900e-003**	**0.0000**	**12.1311**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.0000e-004	0.0000	4.0000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.8700e-003	0.0722	0.0585	1.4000e-004		2.8000e-003	2.8000e-003		2.5800e-003	2.5800e-003	0.0000	12.0338	12.0338	3.8900e-003	0.0000	12.1311
Total	**6.8700e-003**	**0.0722**	**0.0585**	**1.4000e-004**	**4.0000e-004**	**2.8000e-003**	**3.2000e-003**	**4.0000e-005**	**2.5800e-003**	**2.6200e-003**	**0.0000**	**12.0338**	**12.0338**	**3.8900e-003**	**0.0000**	**12.1311**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.5 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0169	0.0000	0.0169	2.5200e-003	0.0000	2.5200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2804	2.7340	2.7060	5.3900e-003		0.1170	0.1170		0.1082	0.1082	0.0000	466.9383	466.9383	0.1458	0.0000	470.5830
Total	**0.2804**	**2.7340**	**2.7060**	**5.3900e-003**	**0.0169**	**0.1170**	**0.1339**	**2.5200e-003**	**0.1082**	**0.1108**	**0.0000**	**466.9383**	**466.9383**	**0.1458**	**0.0000**	**470.5830**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.6000e-003	0.0000	6.6000e-003	9.8000e-004	0.0000	9.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2804	2.7340	2.7060	5.3900e-003		0.1170	0.1170		0.1082	0.1082	0.0000	466.9378	466.9378	0.1458	0.0000	470.5825
Total	**0.2804**	**2.7340**	**2.7060**	**5.3900e-003**	**6.6000e-003**	**0.1170**	**0.1236**	**9.8000e-004**	**0.1082**	**0.1092**	**0.0000**	**466.9378**	**466.9378**	**0.1458**	**0.0000**	**470.5825**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.5 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0169	0.0000	0.0169	2.5200e-003	0.0000	2.5200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.9000e-004	8.1300e-003	9.6200e-003	2.0000e-005		3.5000e-004	3.5000e-004		3.2000e-004	3.2000e-004	0.0000	1.6799	1.6799	5.2000e-004	0.0000	1.6930
Total	**8.9000e-004**	**8.1300e-003**	**9.6200e-003**	**2.0000e-005**	**0.0169**	**3.5000e-004**	**0.0173**	**2.5200e-003**	**3.2000e-004**	**2.8400e-003**	**0.0000**	**1.6799**	**1.6799**	**5.2000e-004**	**0.0000**	**1.6930**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.6000e-003	0.0000	6.6000e-003	9.8000e-004	0.0000	9.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.9000e-004	8.1300e-003	9.6200e-003	2.0000e-005		3.5000e-004	3.5000e-004		3.2000e-004	3.2000e-004	0.0000	1.6799	1.6799	5.2000e-004	0.0000	1.6930
Total	**8.9000e-004**	**8.1300e-003**	**9.6200e-003**	**2.0000e-005**	**6.6000e-003**	**3.5000e-004**	**6.9500e-003**	**9.8000e-004**	**3.2000e-004**	**1.3000e-003**	**0.0000**	**1.6799**	**1.6799**	**5.2000e-004**	**0.0000**	**1.6930**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.6 Foundations/Concrete Pour - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0343	0.3099	0.2911	5.5000e-004		0.0153	0.0153		0.0146	0.0146	0.0000	47.3032	47.3032	8.7400e-003	0.0000	47.5217
Total	**0.0343**	**0.3099**	**0.2911**	**5.5000e-004**		**0.0153**	**0.0153**		**0.0146**	**0.0146**	**0.0000**	**47.3032**	**47.3032**	**8.7400e-003**	**0.0000**	**47.5217**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0252	0.2074	0.2447	5.5000e-004		0.0110	0.0110		0.0107	0.0107	0.0000	34.8826	34.8826	4.7200e-003	0.0000	35.0006
Total	**0.0252**	**0.2074**	**0.2447**	**5.5000e-004**		**0.0110**	**0.0110**		**0.0107**	**0.0107**	**0.0000**	**34.8826**	**34.8826**	**4.7200e-003**	**0.0000**	**35.0006**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.7 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3090	2.9022	2.5702	5.8200e-003		0.1350	0.1350		0.1289	0.1289	0.0000	503.8660	503.8660	0.1075	0.0000	506.5536
Total	**0.3090**	**2.9022**	**2.5702**	**5.8200e-003**		**0.1350**	**0.1350**		**0.1289**	**0.1289**	**0.0000**	**503.8660**	**503.8660**	**0.1075**	**0.0000**	**506.5536**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0192	0.6165	0.1665	1.6600e-003	0.0414	1.1600e-003	0.0426	0.0120	1.1100e-003	0.0131	0.0000	160.6480	160.6480	9.6000e-003	0.0000	160.8879

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2109	1.8017	2.0725	5.8200e-003		0.0893	0.0893		0.0868	0.0868	0.0000	370.5345	370.5345	0.0644	0.0000	372.1440
Total	**0.2109**	**1.8017**	**2.0725**	**5.8200e-003**		**0.0893**	**0.0893**		**0.0868**	**0.0868**	**0.0000**	**370.5345**	**370.5345**	**0.0644**	**0.0000**	**372.1440**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0192	0.6165	0.1665	1.6600e-003	0.0414	1.1600e-003	0.0426	0.0120	1.1100e-003	0.0131	0.0000	160.6480	160.6480	9.6000e-003	0.0000	160.8879

3.7 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3444	3.1669	3.0247	6.9100e-003		0.1423	0.1423		0.1358	0.1358	0.0000	598.0476	598.0476	0.1266	0.0000	601.2119
Total	**0.3444**	**3.1669**	**3.0247**	**6.9100e-003**		**0.1423**	**0.1423**		**0.1358**	**0.1358**	**0.0000**	**598.0476**	**598.0476**	**0.1266**	**0.0000**	**601.2119**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0169	0.5525	0.1772	1.9000e-003	0.0491	6.4000e-004	0.0498	0.0142	6.2000e-004	0.0148	0.0000	184.6123	184.6123	0.0101	0.0000	184.8638

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2348	1.9765	2.4523	6.9100e-003		0.0926	0.0926		0.0901	0.0901	0.0000	439.8779	439.8779	0.0754	0.0000	441.7634
Total	**0.2348**	**1.9765**	**2.4523**	**6.9100e-003**		**0.0926**	**0.0926**		**0.0901**	**0.0901**	**0.0000**	**439.8779**	**439.8779**	**0.0754**	**0.0000**	**441.7634**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0169	0.5525	0.1772	1.9000e-003	0.0491	6.4000e-004	0.0498	0.0142	6.2000e-004	0.0148	0.0000	184.6123	184.6123	0.0101	0.0000	184.8638

3.7 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0669	0.6054	0.6164	1.4200e-003		0.0261	0.0261		0.0249	0.0249	0.0000	122.7382	122.7382	0.0259	0.0000	123.3844
Total	**0.0669**	**0.6054**	**0.6164**	**1.4200e-003**		**0.0261**	**0.0261**		**0.0249**	**0.0249**	**0.0000**	**122.7382**	**122.7382**	**0.0259**	**0.0000**	**123.3844**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.3800e-003	0.1129	0.0352	3.9000e-004	0.0101	1.3000e-004	0.0102	2.9100e-003	1.2000e-004	3.0300e-003	0.0000	37.7183	37.7183	2.0300e-003	0.0000	37.7692

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0457	0.3811	0.5028	1.4200e-003		0.0168	0.0168		0.0163	0.0163	0.0000	90.2938	90.2938	0.0154	0.0000	90.6777
Total	**0.0457**	**0.3811**	**0.5028**	**1.4200e-003**		**0.0168**	**0.0168**		**0.0163**	**0.0163**	**0.0000**	**90.2938**	**90.2938**	**0.0154**	**0.0000**	**90.6777**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.3800e-003	0.1129	0.0352	3.9000e-004	0.0101	1.3000e-004	0.0102	2.9100e-003	1.2000e-004	3.0300e-003	0.0000	37.7183	37.7183	2.0300e-003	0.0000	37.7692

3.8 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3867					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0136	0.1002	0.1128	1.8000e-004		5.7900e-003	5.7900e-003		5.6200e-003	5.6200e-003	0.0000	15.6353	15.6353	2.1100e-003	0.0000	15.6880
Total	**0.4003**	**0.1002**	**0.1128**	**1.8000e-004**		**5.7900e-003**	**5.7900e-003**		**5.6200e-003**	**5.6200e-003**	**0.0000**	**15.6353**	**15.6353**	**2.1100e-003**	**0.0000**	**15.6880**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3867					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0136	0.1002	0.1128	1.8000e-004		5.7900e-003	5.7900e-003		5.6200e-003	5.6200e-003	0.0000	15.6353	15.6353	2.1100e-003	0.0000	15.6880
Total	**0.4003**	**0.1002**	**0.1128**	**1.8000e-004**		**5.7900e-003**	**5.7900e-003**		**5.6200e-003**	**5.6200e-003**	**0.0000**	**15.6353**	**15.6353**	**2.1100e-003**	**0.0000**	**15.6880**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.8 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.0449					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0673	0.4932	0.5944	9.7000e-004		0.0267	0.0267		0.0260	0.0260	0.0000	82.6815	82.6815	0.0109	0.0000	82.9534
Total	**2.1123**	**0.4932**	**0.5944**	**9.7000e-004**		**0.0267**	**0.0267**		**0.0260**	**0.0260**	**0.0000**	**82.6815**	**82.6815**	**0.0109**	**0.0000**	**82.9534**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.0449					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0673	0.4932	0.5944	9.7000e-004		0.0267	0.0267		0.0260	0.0260	0.0000	82.6814	82.6814	0.0109	0.0000	82.9533
Total	**2.1123**	**0.4932**	**0.5944**	**9.7000e-004**		**0.0267**	**0.0267**		**0.0260**	**0.0260**	**0.0000**	**82.6814**	**82.6814**	**0.0109**	**0.0000**	**82.9533**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.8 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1770					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.5200e-003	0.0401	0.0514	8.0000e-005		2.0200e-003	2.0200e-003		1.9600e-003	1.9600e-003	0.0000	7.1551	7.1551	9.3000e-004	0.0000	7.1783
Total	**0.1825**	**0.0401**	**0.0514**	**8.0000e-005**		**2.0200e-003**	**2.0200e-003**		**1.9600e-003**	**1.9600e-003**	**0.0000**	**7.1551**	**7.1551**	**9.3000e-004**	**0.0000**	**7.1783**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1770					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.5200e-003	0.0401	0.0514	8.0000e-005		2.0200e-003	2.0200e-003		1.9600e-003	1.9600e-003	0.0000	7.1551	7.1551	9.3000e-004	0.0000	7.1783
Total	**0.1825**	**0.0401**	**0.0514**	**8.0000e-005**		**2.0200e-003**	**2.0200e-003**		**1.9600e-003**	**1.9600e-003**	**0.0000**	**7.1551**	**7.1551**	**9.3000e-004**	**0.0000**	**7.1783**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.9 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0777	0.6834	0.7346	1.2400e-003		0.0402	0.0402		0.0374	0.0374	0.0000	108.4574	108.4574	0.0292	0.0000	109.1877
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0777**	**0.6834**	**0.7346**	**1.2400e-003**		**0.0402**	**0.0402**		**0.0374**	**0.0374**	**0.0000**	**108.4574**	**108.4574**	**0.0292**	**0.0000**	**109.1877**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0777	0.6834	0.7346	1.2400e-003		0.0402	0.0402		0.0374	0.0374	0.0000	108.4572	108.4572	0.0292	0.0000	109.1876
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0777**	**0.6834**	**0.7346**	**1.2400e-003**		**0.0402**	**0.0402**		**0.0374**	**0.0374**	**0.0000**	**108.4572**	**108.4572**	**0.0292**	**0.0000**	**109.1876**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Hollywood Center - West Site - Pumps

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments High Rise	449.00	Dwelling Unit	0.50	581,000.00	1659

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2024
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - see construction assumptions

Construction Phase - see construction assumptions

Off-road Equipment - see construction assumptions

Trips and VMT - see construction assumptions

Woodstoves - see construction assumptions

Construction Off-road Equipment Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Residential_Exterior	392175	492589
tblAreaCoating	Area_Residential_Interior	1176525	1477766
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	100.00	1.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	381.65	0.00
tblFireplaces	NumberNoFireplace	44.90	0.00
tblFireplaces	NumberWood	22.45	0.00
tblLandUse	LandUseSquareFeet	449,000.00	581,000.00
tblLandUse	LotAcreage	7.24	0.50
tblLandUse	Population	1,284.00	1,659.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	UsageHours	4.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblSolidWaste	SolidWasteGenerationRate	206.54	266.80
tblWater	IndoorWaterUseRate	29,254,157.50	37,789,334.86
tblWater	OutdoorWaterUseRate	18,442,838.43	23,823,711.11
tblWoodstoves	NumberCatalytic	22.45	0.00
tblWoodstoves	NumberNoncatalytic	22.45	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Foundations/Concrete Pour	Building Construction	1/3/2022	1/3/2022	6	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Foundations/Concrete Pour	Cranes	0	6.00	231	0.29
Foundations/Concrete Pour	Forklifts	0	6.00	89	0.20
Foundations/Concrete Pour	Generator Sets	0	8.00	84	0.74
Foundations/Concrete Pour	Pumps	2	14.00	84	0.74
Foundations/Concrete Pour	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Foundations/Concrete Pour	Welders	0	8.00	46	0.45

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Foundations/Concrete Pour - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.2000e-004	5.2000e-003	6.5300e-003	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004	0.0000	0.9891	0.9891	5.0000e-005	0.0000	0.9904
Total	**6.2000e-004**	**5.2000e-003**	**6.5300e-003**	**1.0000e-005**		**2.7000e-004**	**2.7000e-004**		**2.7000e-004**	**2.7000e-004**	**0.0000**	**0.9891**	**0.9891**	**5.0000e-005**	**0.0000**	**0.9904**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.2000e-004	5.2000e-003	6.5300e-003	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004	0.0000	0.9891	0.9891	5.0000e-005	0.0000	0.9904
Total	**6.2000e-004**	**5.2000e-003**	**6.5300e-003**	**1.0000e-005**		**2.7000e-004**	**2.7000e-004**		**2.7000e-004**	**2.7000e-004**	**0.0000**	**0.9891**	**0.9891**	**5.0000e-005**	**0.0000**	**0.9904**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Hollywood Center-West Site-Drill Rig

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments High Rise	449.00	Dwelling Unit	0.50	581,464.00	1284

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2024
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - see construction assumptions

Construction Phase - see construction assumptions

Off-road Equipment - see construction assumptions

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	2.00	279.00

tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	1/20/2021	1/2/2022
tblConstructionPhase	PhaseStartDate	1/19/2021	2/11/2021
tblLandUse	LandUseSquareFeet	449,000.00	581,464.00
tblLandUse	LotAcreage	7.24	0.50
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	2/11/2021	1/2/2022	6	279	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Bore/Drill Rigs	1	8.00	221	0.50
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Rubber Tired Dozers	0	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	6.00	97	0.37

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0361	0.4223	0.2897	1.3200e-003		0.0128	0.0128		0.0118	0.0118	0.0000	115.5849	115.5849	0.0374	0.0000	116.5195
Total	**0.0361**	**0.4223**	**0.2897**	**1.3200e-003**	**0.0000**	**0.0128**	**0.0128**	**0.0000**	**0.0118**	**0.0118**	**0.0000**	**115.5849**	**115.5849**	**0.0374**	**0.0000**	**116.5195**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0361	0.4223	0.2897	1.3200e-003		0.0128	0.0128		0.0118	0.0118	0.0000	115.5848	115.5848	0.0374	0.0000	116.5193
Total	**0.0361**	**0.4223**	**0.2897**	**1.3200e-003**	**0.0000**	**0.0128**	**0.0128**	**0.0000**	**0.0118**	**0.0118**	**0.0000**	**115.5848**	**115.5848**	**0.0374**	**0.0000**	**116.5193**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1000e-004	1.1400e-003	1.0300e-003	0.0000		4.0000e-005	4.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.4165	0.4165	1.3000e-004	0.0000	0.4198
Total	**1.1000e-004**	**1.1400e-003**	**1.0300e-003**	**0.0000**	**0.0000**	**4.0000e-005**	**4.0000e-005**	**0.0000**	**3.0000e-005**	**3.0000e-005**	**0.0000**	**0.4165**	**0.4165**	**1.3000e-004**	**0.0000**	**0.4198**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1000e-004	1.1400e-003	1.0300e-003	0.0000		4.0000e-005	4.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.4165	0.4165	1.3000e-004	0.0000	0.4198
Total	**1.1000e-004**	**1.1400e-003**	**1.0300e-003**	**0.0000**	**0.0000**	**4.0000e-005**	**4.0000e-005**	**0.0000**	**3.0000e-005**	**3.0000e-005**	**0.0000**	**0.4165**	**0.4165**	**1.3000e-004**	**0.0000**	**0.4198**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Construction-West-Cranes

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments High Rise	449.00	Dwelling Unit	0.50	581,464.00	1284

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2024
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - see construction assumptions

Construction Phase - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Trips and VMT - see construction assumptions

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	100.00	639.00
tblConstructionPhase	NumDays	100.00	49.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	6/9/2021	3/14/2024
tblConstructionPhase	PhaseEndDate	1/15/2021	2/3/2021
tblConstructionPhase	PhaseEndDate	1/18/2021	2/28/2022
tblConstructionPhase	PhaseStartDate	1/21/2021	3/1/2022
tblConstructionPhase	PhaseStartDate	1/4/2021	1/14/2021
tblConstructionPhase	PhaseStartDate	1/16/2021	1/3/2022
tblLandUse	LandUseSquareFeet	449,000.00	581,464.00
tblLandUse	LotAcreage	7.24	0.50
tblOffRoadEquipment	LoadFactor	0.29	0.29
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblTripsAndVMT	VendorTripNumber	48.00	0.00
tblTripsAndVMT	VendorTripNumber	48.00	0.00
tblTripsAndVMT	WorkerTripNumber	3.00	0.00
tblTripsAndVMT	WorkerTripNumber	323.00	0.00
tblTripsAndVMT	WorkerTripNumber	323.00	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	3.6900e-003	0.0434	0.0177	5.0000e-005	0.0000	1.7600e-003	1.7600e-003	0.0000	1.6200e-003	1.6200e-003	0.0000	4.5320	4.5320	1.4700e-003	0.0000	4.5687
2022	0.1072	1.2030	0.5441	1.6600e-003	0.0000	0.0500	0.0500	0.0000	0.0460	0.0460	0.0000	145.7517	145.7517	0.0471	0.0000	146.9302
2023	0.1096	1.1904	0.5723	1.8000e-003	0.0000	0.0497	0.0497	0.0000	0.0457	0.0457	0.0000	158.1691	158.1691	0.0512	0.0000	159.4480
2024	0.0212	0.2243	0.1136	3.7000e-004	0.0000	9.3300e-003	9.3300e-003	0.0000	8.5800e-003	8.5800e-003	0.0000	32.4443	32.4443	0.0105	0.0000	32.7066
Maximum	**0.1096**	**1.2030**	**0.5723**	**1.8000e-003**	**0.0000**	**0.0500**	**0.0500**	**0.0000**	**0.0460**	**0.0460**	**0.0000**	**158.1691**	**158.1691**	**0.0512**	**0.0000**	**159.4480**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	3.6900e-003	0.0434	0.0177	5.0000e-005	0.0000	1.7600e-003	1.7600e-003	0.0000	1.6200e-003	1.6200e-003	0.0000	4.5320	4.5320	1.4700e-003	0.0000	4.5687
2022	0.1072	1.2030	0.5441	1.6600e-003	0.0000	0.0500	0.0500	0.0000	0.0460	0.0460	0.0000	145.7515	145.7515	0.0471	0.0000	146.9300
2023	0.1096	1.1904	0.5723	1.8000e-003	0.0000	0.0497	0.0497	0.0000	0.0457	0.0457	0.0000	158.1689	158.1689	0.0512	0.0000	159.4478
2024	0.0212	0.2243	0.1136	3.7000e-004	0.0000	9.3300e-003	9.3300e-003	0.0000	8.5800e-003	8.5800e-003	0.0000	32.4442	32.4442	0.0105	0.0000	32.7065
Maximum	**0.1096**	**1.2030**	**0.5723**	**1.8000e-003**	**0.0000**	**0.0500**	**0.0500**	**0.0000**	**0.0460**	**0.0460**	**0.0000**	**158.1689**	**158.1689**	**0.0512**	**0.0000**	**159.4478**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-4-2021	4-3-2021	0.0470	0.0470
4	10-4-2021	1-3-2022	0.0020	0.0020
5	1-4-2022	4-3-2022	0.2422	0.2422
6	4-4-2022	7-3-2022	0.3555	0.3555
7	7-4-2022	10-3-2022	0.3594	0.3594
8	10-4-2022	1-3-2023	0.3584	0.3584
9	1-4-2023	4-3-2023	0.3214	0.3214
10	4-4-2023	7-3-2023	0.3250	0.3250
11	7-4-2023	10-3-2023	0.3286	0.3286
12	10-4-2023	1-3-2024	0.3277	0.3277
13	1-4-2024	4-3-2024	0.2335	0.2335
		Highest	0.3594	0.3594

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.8929	0.1698	7.4827	7.5300e-003		0.4544	0.4544		0.4544	0.4544	47.6924	99.2120	146.9044	0.1495	3.2400e-003	151.6061
Energy	0.0223	0.1907	0.0812	1.2200e-003		0.0154	0.0154		0.0154	0.0154	0.0000	1,211.1610	1,211.1610	0.0276	8.8900e-003	1,214.5001
Mobile	0.5126	2.3966	7.1073	0.0281	2.4647	0.0214	2.4861	0.6606	0.0199	0.6805	0.0000	2,603.4497	2,603.4497	0.1236	0.0000	2,606.5396
Waste						0.0000	0.0000		0.0000	0.0000	41.9258	0.0000	41.9258	2.4777	0.0000	103.8693
Water						0.0000	0.0000		0.0000	0.0000	9.2810	326.2783	335.5593	0.9610	0.0241	366.7657
Total	**4.4278**	**2.7571**	**14.6711**	**0.0369**	**2.4647**	**0.4912**	**2.9559**	**0.6606**	**0.4897**	**1.1503**	**98.8991**	**4,240.1010**	**4,339.0001**	**3.7394**	**0.0362**	**4,443.2808**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.8929	0.1698	7.4827	7.5300e-003		0.4544	0.4544		0.4544	0.4544	47.6924	99.2120	146.9044	0.1495	3.2400e-003	151.6061
Energy	0.0223	0.1907	0.0812	1.2200e-003		0.0154	0.0154		0.0154	0.0154	0.0000	1,211.1610	1,211.1610	0.0276	8.8900e-003	1,214.5001
Mobile	0.5126	2.3966	7.1073	0.0281	2.4647	0.0214	2.4861	0.6606	0.0199	0.6805	0.0000	2,603.4497	2,603.4497	0.1236	0.0000	2,606.5396
Waste						0.0000	0.0000		0.0000	0.0000	41.9258	0.0000	41.9258	2.4777	0.0000	103.8693
Water						0.0000	0.0000		0.0000	0.0000	9.2810	326.2783	335.5593	0.9610	0.0241	366.7657
Total	**4.4278**	**2.7571**	**14.6711**	**0.0369**	**2.4647**	**0.4912**	**2.9559**	**0.6606**	**0.4897**	**1.1503**	**98.8991**	**4,240.1010**	**4,339.0001**	**3.7394**	**0.0362**	**4,443.2808**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Utilities/Trenching	Trenching	1/14/2021	2/3/2021	6	18	
2	Foundations/Concrete Pour	Building Construction	1/3/2022	2/28/2022	6	49	
3	Building Construction	Building Construction	3/1/2022	3/14/2024	6	639	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Foundations/Concrete Pour	Cranes	1	8.00	231	0.29
Foundations/Concrete Pour	Forklifts	0	6.00	89	0.20
Utilities/Trenching	Concrete/Industrial Saws	0	8.00	81	0.73
Utilities/Trenching	Cranes	1	8.00	231	0.29
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Foundations/Concrete Pour	Graders	0	8.00	187	0.41
Utilities/Trenching	Rubber Tired Dozers	0	1.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Utilities/Trenching	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Foundations/Concrete Pour	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Utilities/Trenching	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Foundations/Concrete Pour	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	2	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Utilities/Trenching - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.6900e-003	0.0434	0.0177	5.0000e-005		1.7600e-003	1.7600e-003		1.6200e-003	1.6200e-003	0.0000	4.5320	4.5320	1.4700e-003	0.0000	4.5687
Total	**3.6900e-003**	**0.0434**	**0.0177**	**5.0000e-005**		**1.7600e-003**	**1.7600e-003**		**1.6200e-003**	**1.6200e-003**	**0.0000**	**4.5320**	**4.5320**	**1.4700e-003**	**0.0000**	**4.5687**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.6900e-003	0.0434	0.0177	5.0000e-005		1.7600e-003	1.7600e-003		1.6200e-003	1.6200e-003	0.0000	4.5320	4.5320	1.4700e-003	0.0000	4.5687
Total	**3.6900e-003**	**0.0434**	**0.0177**	**5.0000e-005**		**1.7600e-003**	**1.7600e-003**		**1.6200e-003**	**1.6200e-003**	**0.0000**	**4.5320**	**4.5320**	**1.4700e-003**	**0.0000**	**4.5687**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Foundations/Concrete Pour - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.1400e-003	0.1025	0.0464	1.4000e-004		4.2600e-003	4.2600e-003		3.9200e-003	3.9200e-003	0.0000	12.4206	12.4206	4.0200e-003	0.0000	12.5210
Total	**9.1400e-003**	**0.1025**	**0.0464**	**1.4000e-004**		**4.2600e-003**	**4.2600e-003**		**3.9200e-003**	**3.9200e-003**	**0.0000**	**12.4206**	**12.4206**	**4.0200e-003**	**0.0000**	**12.5210**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.1400e-003	0.1025	0.0464	1.4000e-004		4.2600e-003	4.2600e-003		3.9200e-003	3.9200e-003	0.0000	12.4206	12.4206	4.0200e-003	0.0000	12.5210
Total	**9.1400e-003**	**0.1025**	**0.0464**	**1.4000e-004**		**4.2600e-003**	**4.2600e-003**		**3.9200e-003**	**3.9200e-003**	**0.0000**	**12.4206**	**12.4206**	**4.0200e-003**	**0.0000**	**12.5210**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0981	1.1005	0.4977	1.5200e-003		0.0457	0.0457		0.0420	0.0420	0.0000	133.3311	133.3311	0.0431	0.0000	134.4092
Total	**0.0981**	**1.1005**	**0.4977**	**1.5200e-003**		**0.0457**	**0.0457**		**0.0420**	**0.0420**	**0.0000**	**133.3311**	**133.3311**	**0.0431**	**0.0000**	**134.4092**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0981	1.1005	0.4977	1.5200e-003		0.0457	0.0457		0.0420	0.0420	0.0000	133.3309	133.3309	0.0431	0.0000	134.4090
Total	**0.0981**	**1.1005**	**0.4977**	**1.5200e-003**		**0.0457**	**0.0457**		**0.0420**	**0.0420**	**0.0000**	**133.3309**	**133.3309**	**0.0431**	**0.0000**	**134.4090**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1096	1.1904	0.5723	1.8000e-003		0.0497	0.0497		0.0457	0.0457	0.0000	158.1691	158.1691	0.0512	0.0000	159.4480
Total	**0.1096**	**1.1904**	**0.5723**	**1.8000e-003**		**0.0497**	**0.0497**		**0.0457**	**0.0457**	**0.0000**	**158.1691**	**158.1691**	**0.0512**	**0.0000**	**159.4480**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1096	1.1904	0.5723	1.8000e-003		0.0497	0.0497		0.0457	0.0457	0.0000	158.1689	158.1689	0.0512	0.0000	159.4478
Total	**0.1096**	**1.1904**	**0.5723**	**1.8000e-003**		**0.0497**	**0.0497**		**0.0457**	**0.0457**	**0.0000**	**158.1689**	**158.1689**	**0.0512**	**0.0000**	**159.4478**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0212	0.2243	0.1136	3.7000e-004		9.3300e-003	9.3300e-003		8.5800e-003	8.5800e-003	0.0000	32.4443	32.4443	0.0105	0.0000	32.7066
Total	**0.0212**	**0.2243**	**0.1136**	**3.7000e-004**		**9.3300e-003**	**9.3300e-003**		**8.5800e-003**	**8.5800e-003**	**0.0000**	**32.4443**	**32.4443**	**0.0105**	**0.0000**	**32.7066**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0212	0.2243	0.1136	3.7000e-004		9.3300e-003	9.3300e-003		8.5800e-003	8.5800e-003	0.0000	32.4442	32.4442	0.0105	0.0000	32.7065
Total	**0.0212**	**0.2243**	**0.1136**	**3.7000e-004**		**9.3300e-003**	**9.3300e-003**		**8.5800e-003**	**8.5800e-003**	**0.0000**	**32.4442**	**32.4442**	**0.0105**	**0.0000**	**32.7065**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Hollywood Center - East Site - Construction

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	32.66	1000sqft	0.10	32,665.00	0
Enclosed Parking with Elevator	684.00	Space	0.80	353,824.00	0
Other Non-Asphalt Surfaces	21.15	1000sqft	0.10	21,150.00	0
User Defined Parking	1.63	User Defined Unit	0.14	1,627.00	0
City Park	0.82	Acre	0.10	35,300.00	0
Fast Food Restaurant w/o Drive Thru	2.73	1000sqft	0.10	2,732.00	0
High Turnover (Sit Down Restaurant)	15.48	1000sqft	0.10	15,482.00	0
Apartments Mid Rise	65.00	Dwelling Unit	0.30	67,149.00	186
Condo/Townhouse High Rise	423.00	Dwelling Unit	0.95	575,100.00	1210

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - For construction, the all residential option was modelled. This is because the difference between this option and the residential/hotel option is negligible. See construction assumptions

Construction Phase - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions. jackhammers are assumed to be powered by generator sets.

Off-road Equipment - see construction assumptions. jackhammers are assumed to be powered by generator sets.

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Trips and VMT - see construction assumptions.

Grading - see construction assumptions.

Woodstoves - see construction assumptions

Construction Off-road Equipment Mitigation - see construction assumptions

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	43,090.00	53,665.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	129,269.00	160,994.00
tblArchitecturalCoating	ConstArea_Parking	22,596.00	21,327.00
tblAreaCoating	Area_Nonresidential_Exterior	43090	43340
tblAreaCoating	Area_Nonresidential_Interior	129269	130019
tblAreaCoating	Area_Parking	22596	22318
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstructionPhase	NumDays	10.00	401.00
tblConstructionPhase	NumDays	220.00	40.00
tblConstructionPhase	NumDays	220.00	726.00
tblConstructionPhase	NumDays	6.00	259.00
tblConstructionPhase	NumDays	10.00	78.00
tblConstructionPhase	NumDays	3.00	27.00

tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	55.25	0.00
tblFireplaces	NumberGas	359.55	0.00
tblFireplaces	NumberNoFireplace	6.50	0.00
tblFireplaces	NumberNoFireplace	42.30	0.00
tblFireplaces	NumberWood	3.25	0.00
tblFireplaces	NumberWood	21.15	0.00
tblGrading	AcresOfGrading	0.00	2.69
tblGrading	AcresOfGrading	0.00	2.69
tblGrading	MaterialExported	0.00	260,930.00
tblGrading	MaterialExported	0.00	704.00
tblLandUse	LandUseSquareFeet	32,660.00	32,665.00
tblLandUse	LandUseSquareFeet	273,600.00	353,824.00
tblLandUse	LandUseSquareFeet	0.00	1,627.00
tblLandUse	LandUseSquareFeet	35,719.20	35,300.00
tblLandUse	LandUseSquareFeet	2,730.00	2,732.00
tblLandUse	LandUseSquareFeet	15,480.00	15,482.00
tblLandUse	LandUseSquareFeet	65,000.00	67,149.00

tblLandUse	LandUseSquareFeet	423,000.00	575,100.00
tblLandUse	LotAcreage	0.75	0.10
tblLandUse	LotAcreage	6.16	0.80
tblLandUse	LotAcreage	0.49	0.10
tblLandUse	LotAcreage	0.00	0.14
tblLandUse	LotAcreage	0.82	0.10
tblLandUse	LotAcreage	0.06	0.10
tblLandUse	LotAcreage	0.36	0.10
tblLandUse	LotAcreage	1.71	0.30
tblLandUse	LotAcreage	6.61	0.95
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

tblWoodstoves	NumberCatalytic	3.25	0.00
tblWoodstoves	NumberCatalytic	21.15	0.00
tblWoodstoves	NumberNoncatalytic	3.25	0.00
tblWoodstoves	NumberNoncatalytic	21.15	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	3/1/2022	3/31/2022	6	27	
2	Grading	Grading	3/15/2022	1/10/2023	6	259	
3	Utilities/Trenching	Trenching	3/15/2022	3/27/2022	6	11	
4	Foundations/Concrete Pour	Building Construction	1/11/2023	2/26/2023	6	40	
5	Building Construction	Building Construction	2/27/2023	6/22/2025	6	726	
6	Architectural Coating	Architectural Coating	10/14/2023	1/23/2025	6	401	
7	Paving	Paving	7/12/2024	10/10/2024	6	78	

Acres of Grading (Site Preparation Phase): 2.689

Acres of Grading (Grading Phase): 2.689

Acres of Paving: 1.039

Residential Indoor: 1,300,554; Residential Outdoor: 433,518; Non-Residential Indoor: 160,994; Non-Residential Outdoor: 53,665; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Excavators	1	8.00	158	0.38
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Rubber Tired Loaders	1	8.00	203	0.36
Site Preparation	Scrapers	0	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Grading	Dumpers/Tenders	2	8.00	16	0.38
Grading	Excavators	4	8.00	158	0.38
Grading	Graders	0	8.00	187	0.41
Grading	Plate Compactors	2	8.00	8	0.43
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Rubber Tired Loaders	2	8.00	203	0.36

Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Utilities/Trenching	Air Compressors	1	8.00	78	0.48
Utilities/Trenching	Concrete/Industrial Saws	1	8.00	81	0.73
Utilities/Trenching	Cranes	1	8.00	231	0.29
Utilities/Trenching	Rubber Tired Dozers	0	8.00	247	0.40
Utilities/Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Foundations/Concrete Pour	Air Compressors	1	8.00	78	0.48
Foundations/Concrete Pour	Cranes	1	8.00	231	0.29
Foundations/Concrete Pour	Dumpers/Tenders	1	8.00	16	0.38
Foundations/Concrete Pour	Forklifts	1	8.00	89	0.20
Foundations/Concrete Pour	Generator Sets	1	8.00	84	0.74
Foundations/Concrete Pour	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Foundations/Concrete Pour	Welders	0	8.00	46	0.45
Building Construction	Air Compressors	1	8.00	78	0.48
Building Construction	Bore/Drill Rigs	1	8.00	221	0.50
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Dumpers/Tenders	2	8.00	16	0.38
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Architectural Coating	Air Compressors	1	8.00	78	0.48
Architectural Coating	Dumpers/Tenders	1	8.00	16	0.38
Architectural Coating	Forklifts	1	8.00	89	0.20
Paving	Cement and Mortar Mixers	0	8.00	9	0.56
Paving	Concrete/Industrial Saws	1	8.00	81	0.73
Paving	Graders	1	8.00	187	0.41
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36

Paving	Plate Compactors	1	8.00	8	0.43
Paving	Rollers	1	8.00	80	0.38
Paving	Surfacing Equipment	1	8.00	263	0.30
Paving	Sweepers/Scrubbers	1	8.00	64	0.46
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.4700e-003	0.0000	1.4700e-003	1.6000e-004	0.0000	1.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.6700e-003	0.0648	0.0646	1.5000e-004		2.5300e-003	2.5300e-003		2.3300e-003	2.3300e-003	0.0000	13.5413	13.5413	4.3800e-003	0.0000	13.6507
Total	**6.6700e-003**	**0.0648**	**0.0646**	**1.5000e-004**	**1.4700e-003**	**2.5300e-003**	**4.0000e-003**	**1.6000e-004**	**2.3300e-003**	**2.4900e-003**	**0.0000**	**13.5413**	**13.5413**	**4.3800e-003**	**0.0000**	**13.6507**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.7000e-004	0.0000	5.7000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.6700e-003	0.0648	0.0646	1.5000e-004		2.5300e-003	2.5300e-003		2.3300e-003	2.3300e-003	0.0000	13.5412	13.5412	4.3800e-003	0.0000	13.6507
Total	**6.6700e-003**	**0.0648**	**0.0646**	**1.5000e-004**	**5.7000e-004**	**2.5300e-003**	**3.1000e-003**	**6.0000e-005**	**2.3300e-003**	**2.3900e-003**	**0.0000**	**13.5412**	**13.5412**	**4.3800e-003**	**0.0000**	**13.6507**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0162	0.0000	0.0162	2.3900e-003	0.0000	2.3900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2239	2.0413	2.4151	4.8600e-003		0.0867	0.0867		0.0803	0.0803	0.0000	421.6461	421.6461	0.1317	0.0000	424.9372
Total	**0.2239**	**2.0413**	**2.4151**	**4.8600e-003**	**0.0162**	**0.0867**	**0.1029**	**2.3900e-003**	**0.0803**	**0.0827**	**0.0000**	**421.6461**	**421.6461**	**0.1317**	**0.0000**	**424.9372**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.3100e-003	0.0000	6.3100e-003	9.3000e-004	0.0000	9.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2239	2.0413	2.4151	4.8600e-003		0.0867	0.0867		0.0803	0.0803	0.0000	421.6456	421.6456	0.1317	0.0000	424.9367
Total	**0.2239**	**2.0413**	**2.4151**	**4.8600e-003**	**6.3100e-003**	**0.0867**	**0.0930**	**9.3000e-004**	**0.0803**	**0.0813**	**0.0000**	**421.6456**	**421.6456**	**0.1317**	**0.0000**	**424.9367**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0162	0.0000	0.0162	2.3900e-003	0.0000	2.3900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.7000e-003	0.0579	0.0768	1.6000e-004		2.4400e-003	2.4400e-003		2.2700e-003	2.2700e-003	0.0000	13.4407	13.4407	4.2000e-003	0.0000	13.5456
Total	**6.7000e-003**	**0.0579**	**0.0768**	**1.6000e-004**	**0.0162**	**2.4400e-003**	**0.0186**	**2.3900e-003**	**2.2700e-003**	**4.6600e-003**	**0.0000**	**13.4407**	**13.4407**	**4.2000e-003**	**0.0000**	**13.5456**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.3100e-003	0.0000	6.3100e-003	9.3000e-004	0.0000	9.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.7000e-003	0.0579	0.0768	1.6000e-004		2.4400e-003	2.4400e-003		2.2700e-003	2.2700e-003	0.0000	13.4407	13.4407	4.2000e-003	0.0000	13.5456
Total	**6.7000e-003**	**0.0579**	**0.0768**	**1.6000e-004**	**6.3100e-003**	**2.4400e-003**	**8.7500e-003**	**9.3000e-004**	**2.2700e-003**	**3.2000e-003**	**0.0000**	**13.4407**	**13.4407**	**4.2000e-003**	**0.0000**	**13.5456**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.4 Utilities/Trenching - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.4200e-003	0.0580	0.0562	1.1000e-004		2.8800e-003	2.8800e-003		2.7600e-003	2.7600e-003	0.0000	9.1208	9.1208	1.6700e-003	0.0000	9.1626
Total	**6.4200e-003**	**0.0580**	**0.0562**	**1.1000e-004**		**2.8800e-003**	**2.8800e-003**		**2.7600e-003**	**2.7600e-003**	**0.0000**	**9.1208**	**9.1208**	**1.6700e-003**	**0.0000**	**9.1626**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.3700e-003	0.0350	0.0458	1.1000e-004		1.9200e-003	1.9200e-003		1.8800e-003	1.8800e-003	0.0000	6.3325	6.3325	7.7000e-004	0.0000	6.3518
Total	**4.3700e-003**	**0.0350**	**0.0458**	**1.1000e-004**		**1.9200e-003**	**1.9200e-003**		**1.8800e-003**	**1.8800e-003**	**0.0000**	**6.3325**	**6.3325**	**7.7000e-004**	**0.0000**	**6.3518**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.5 Foundations/Concrete Pour - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0248	0.2246	0.2309	4.3000e-004		0.0107	0.0107		0.0102	0.0102	0.0000	37.5151	37.5151	6.9400e-003	0.0000	37.6886
Total	**0.0248**	**0.2246**	**0.2309**	**4.3000e-004**		**0.0107**	**0.0107**		**0.0102**	**0.0102**	**0.0000**	**37.5151**	**37.5151**	**6.9400e-003**	**0.0000**	**37.6886**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0178	0.1483	0.1942	4.3000e-004		7.5000e-003	7.5000e-003		7.2900e-003	7.2900e-003	0.0000	27.3760	27.3760	3.6600e-003	0.0000	27.4676
Total	**0.0178**	**0.1483**	**0.1942**	**4.3000e-004**		**7.5000e-003**	**7.5000e-003**		**7.2900e-003**	**7.2900e-003**	**0.0000**	**27.3760**	**27.3760**	**3.6600e-003**	**0.0000**	**27.4676**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.6 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2915	2.6797	2.5593	5.8400e-003		0.1204	0.1204		0.1149	0.1149	0.0000	506.0403	506.0403	0.1071	0.0000	508.7178
Total	**0.2915**	**2.6797**	**2.5593**	**5.8400e-003**		**0.1204**	**0.1204**		**0.1149**	**0.1149**	**0.0000**	**506.0403**	**506.0403**	**0.1071**	**0.0000**	**508.7178**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0143	0.4675	0.1499	1.6100e-003	0.0416	5.5000e-004	0.0421	0.0120	5.2000e-004	0.0125	0.0000	156.2104	156.2104	8.5100e-003	0.0000	156.4232

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1987	1.6724	2.0751	5.8400e-003		0.0783	0.0783		0.0762	0.0762	0.0000	372.2044	372.2044	0.0638	0.0000	373.7998
Total	**0.1987**	**1.6724**	**2.0751**	**5.8400e-003**		**0.0783**	**0.0783**		**0.0762**	**0.0762**	**0.0000**	**372.2044**	**372.2044**	**0.0638**	**0.0000**	**373.7998**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0143	0.4675	0.1499	1.6100e-003	0.0416	5.5000e-004	0.0421	0.0120	5.2000e-004	0.0125	0.0000	156.2104	156.2104	8.5100e-003	0.0000	156.4232

3.6 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3283	2.9702	3.0241	6.9500e-003		0.1280	0.1280		0.1221	0.1221	0.0000	602.1841	602.1841	0.1268	0.0000	605.3548
Total	**0.3283**	**2.9702**	**3.0241**	**6.9500e-003**		**0.1280**	**0.1280**		**0.1221**	**0.1221**	**0.0000**	**602.1841**	**602.1841**	**0.1268**	**0.0000**	**605.3548**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0166	0.5540	0.1728	1.9000e-003	0.0495	6.4000e-004	0.0501	0.0143	6.1000e-004	0.0149	0.0000	185.0555	185.0555	9.9700e-003	0.0000	185.3049

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2241	1.8699	2.4668	6.9500e-003		0.0823	0.0823		0.0800	0.0800	0.0000	443.0039	443.0039	0.0753	0.0000	444.8876
Total	**0.2241**	**1.8699**	**2.4668**	**6.9500e-003**		**0.0823**	**0.0823**		**0.0800**	**0.0800**	**0.0000**	**443.0039**	**443.0039**	**0.0753**	**0.0000**	**444.8876**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0166	0.5540	0.1728	1.9000e-003	0.0495	6.4000e-004	0.0501	0.0143	6.1000e-004	0.0149	0.0000	185.0555	185.0555	9.9700e-003	0.0000	185.3049

3.6 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1466	1.3048	1.4179	3.2800e-003		0.0539	0.0539		0.0513	0.0513	0.0000	283.8463	283.8463	0.0594	0.0000	285.3325
Total	**0.1466**	**1.3048**	**1.4179**	**3.2800e-003**		**0.0539**	**0.0539**		**0.0513**	**0.0513**	**0.0000**	**283.8463**	**283.8463**	**0.0594**	**0.0000**	**285.3325**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.6100e-003	0.2589	0.0794	8.9000e-004	0.0233	3.0000e-004	0.0236	6.7300e-003	2.8000e-004	7.0100e-003	0.0000	86.7484	86.7484	4.6300e-003	0.0000	86.8642

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1003	0.8360	1.1609	3.2800e-003		0.0339	0.0339		0.0330	0.0330	0.0000	208.8162	208.8162	0.0352	0.0000	209.6957
Total	**0.1003**	**0.8360**	**1.1609**	**3.2800e-003**		**0.0339**	**0.0339**		**0.0330**	**0.0330**	**0.0000**	**208.8162**	**208.8162**	**0.0352**	**0.0000**	**209.6957**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.6100e-003	0.2589	0.0794	8.9000e-004	0.0233	3.0000e-004	0.0236	6.7300e-003	2.8000e-004	7.0100e-003	0.0000	86.7484	86.7484	4.6300e-003	0.0000	86.8642

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4271					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0145	0.1059	0.1277	2.1000e-004		5.7300e-003	5.7300e-003		5.5700e-003	5.5700e-003	0.0000	17.7553	17.7553	2.3400e-003	0.0000	17.8137
Total	**0.4416**	**0.1059**	**0.1277**	**2.1000e-004**		**5.7300e-003**	**5.7300e-003**		**5.5700e-003**	**5.5700e-003**	**0.0000**	**17.7553**	**17.7553**	**2.3400e-003**	**0.0000**	**17.8137**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4271					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0145	0.1059	0.1277	2.1000e-004		5.7300e-003	5.7300e-003		5.5700e-003	5.5700e-003	0.0000	17.7553	17.7553	2.3400e-003	0.0000	17.8137
Total	**0.4416**	**0.1059**	**0.1277**	**2.1000e-004**		**5.7300e-003**	**5.7300e-003**		**5.5700e-003**	**5.5700e-003**	**0.0000**	**17.7553**	**17.7553**	**2.3400e-003**	**0.0000**	**17.8137**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.0017					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0642	0.4668	0.5972	9.8000e-004		0.0235	0.0235		0.0228	0.0228	0.0000	83.2115	83.2115	0.0108	0.0000	83.4805
Total	**2.0658**	**0.4668**	**0.5972**	**9.8000e-004**		**0.0235**	**0.0235**		**0.0228**	**0.0228**	**0.0000**	**83.2115**	**83.2115**	**0.0108**	**0.0000**	**83.4805**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.0017					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0642	0.4668	0.5972	9.8000e-004		0.0235	0.0235		0.0228	0.0228	0.0000	83.2114	83.2114	0.0108	0.0000	83.4804
Total	**2.0658**	**0.4668**	**0.5972**	**9.8000e-004**		**0.0235**	**0.0235**		**0.0228**	**0.0228**	**0.0000**	**83.2114**	**83.2114**	**0.0108**	**0.0000**	**83.4804**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.7 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1275					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8800e-003	0.0281	0.0380	6.0000e-005		1.3000e-003	1.3000e-003		1.2600e-003	1.2600e-003	0.0000	5.3001	5.3001	6.8000e-004	0.0000	5.3171
Total	**0.1314**	**0.0281**	**0.0380**	**6.0000e-005**		**1.3000e-003**	**1.3000e-003**		**1.2600e-003**	**1.2600e-003**	**0.0000**	**5.3001**	**5.3001**	**6.8000e-004**	**0.0000**	**5.3171**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1275					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8800e-003	0.0281	0.0380	6.0000e-005		1.3000e-003	1.3000e-003		1.2600e-003	1.2600e-003	0.0000	5.3001	5.3001	6.8000e-004	0.0000	5.3171
Total	**0.1314**	**0.0281**	**0.0380**	**6.0000e-005**		**1.3000e-003**	**1.3000e-003**		**1.2600e-003**	**1.2600e-003**	**0.0000**	**5.3001**	**5.3001**	**6.8000e-004**	**0.0000**	**5.3171**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.8 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0609	0.5947	0.6385	1.3300e-003		0.0259	0.0259		0.0242	0.0242	0.0000	115.7635	115.7635	0.0314	0.0000	116.5482
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0609**	**0.5947**	**0.6385**	**1.3300e-003**		**0.0259**	**0.0259**		**0.0242**	**0.0242**	**0.0000**	**115.7635**	**115.7635**	**0.0314**	**0.0000**	**116.5482**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0609	0.5947	0.6385	1.3300e-003		0.0259	0.0259		0.0242	0.0242	0.0000	115.7633	115.7633	0.0314	0.0000	116.5480
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0609**	**0.5947**	**0.6385**	**1.3300e-003**		**0.0259**	**0.0259**		**0.0242**	**0.0242**	**0.0000**	**115.7633**	**115.7633**	**0.0314**	**0.0000**	**116.5480**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Hollywood Center - East Site - Pumps

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments High Rise	423.00	Dwelling Unit	0.85	575,100.00	1181

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - see construction assumptions

Construction Phase - see construction assumptions

Off-road Equipment - see construction assumptions

Trips and VMT - see construction assumptions

Woodstoves - see construction assumptions

Construction Off-road Equipment Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Parking	0	100
tblAreaCoating	Area_Residential_Exterior	388193	370188
tblAreaCoating	Area_Residential_Interior	1164578	1110563
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	100.00	1.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	359.55	0.00
tblFireplaces	NumberNoFireplace	42.30	0.00
tblFireplaces	NumberWood	21.15	0.00
tblLandUse	LandUseSquareFeet	423,000.00	575,100.00
tblLandUse	LotAcreage	6.82	0.85
tblLandUse	Population	1,210.00	1,181.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	UsageHours	4.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblSolidWaste	SolidWasteGenerationRate	194.58	189.98
tblWater	IndoorWaterUseRate	27,560,152.84	26,908,612.58
tblWater	OutdoorWaterUseRate	17,374,878.96	16,964,125.32
tblWoodstoves	NumberCatalytic	21.15	0.00
tblWoodstoves	NumberNoncatalytic	21.15	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Foundations/Concrete Pour	Building Construction	1/11/2023	1/11/2023	6	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Foundations/Concrete Pour	Cranes	0	6.00	231	0.29
Foundations/Concrete Pour	Forklifts	0	6.00	89	0.20
Foundations/Concrete Pour	Generator Sets	0	8.00	84	0.74
Foundations/Concrete Pour	Pumps	2	11.00	84	0.74
Foundations/Concrete Pour	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Foundations/Concrete Pour	Welders	0	8.00	46	0.45

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Foundations/Concrete Pour - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.5000e-004	3.7900e-003	5.1200e-003	1.0000e-005		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	0.7772	0.7772	4.0000e-005	0.0000	0.7781
Total	**4.5000e-004**	**3.7900e-003**	**5.1200e-003**	**1.0000e-005**		**1.9000e-004**	**1.9000e-004**		**1.9000e-004**	**1.9000e-004**	**0.0000**	**0.7772**	**0.7772**	**4.0000e-005**	**0.0000**	**0.7781**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.5000e-004	3.7900e-003	5.1200e-003	1.0000e-005		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	0.7772	0.7772	4.0000e-005	0.0000	0.7781
Total	**4.5000e-004**	**3.7900e-003**	**5.1200e-003**	**1.0000e-005**		**1.9000e-004**	**1.9000e-004**		**1.9000e-004**	**1.9000e-004**	**0.0000**	**0.7772**	**0.7772**	**4.0000e-005**	**0.0000**	**0.7781**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Construction-East Site-Drill Rig

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments High Rise	423.00	Dwelling Unit	0.95	575,100.00	1210

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - see construction assumptions

Construction Phase - see construction assumptions

Off-road Equipment - see construction assumptions

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	2.00	259.00

tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	3/17/2022	1/10/2023
tblConstructionPhase	PhaseStartDate	3/16/2022	3/15/2022
tblLandUse	LandUseSquareFeet	423,000.00	575,100.00
tblLandUse	LotAcreage	6.82	0.95
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	3/15/2022	1/10/2023	6	259	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Bore/Drill Rigs	1	8.00	221	0.50
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Rubber Tired Dozers	0	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	6.00	97	0.37

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0283	0.2859	0.2574	1.1900e-003		9.1800e-003	9.1800e-003		8.4400e-003	8.4400e-003	0.0000	104.5305	104.5305	0.0338	0.0000	105.3757
Total	**0.0283**	**0.2859**	**0.2574**	**1.1900e-003**	**0.0000**	**9.1800e-003**	**9.1800e-003**	**0.0000**	**8.4400e-003**	**8.4400e-003**	**0.0000**	**104.5305**	**104.5305**	**0.0338**	**0.0000**	**105.3757**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0283	0.2859	0.2574	1.1900e-003		9.1800e-003	9.1800e-003		8.4400e-003	8.4400e-003	0.0000	104.5304	104.5304	0.0338	0.0000	105.3756
Total	**0.0283**	**0.2859**	**0.2574**	**1.1900e-003**	**0.0000**	**9.1800e-003**	**9.1800e-003**	**0.0000**	**8.4400e-003**	**8.4400e-003**	**0.0000**	**104.5304**	**104.5304**	**0.0338**	**0.0000**	**105.3756**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.2 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.6000e-004	8.2000e-003	8.1700e-003	4.0000e-005		2.7000e-004	2.7000e-004		2.4000e-004	2.4000e-004	0.0000	3.3384	3.3384	1.0800e-003	0.0000	3.3654
Total	**8.6000e-004**	**8.2000e-003**	**8.1700e-003**	**4.0000e-005**	**0.0000**	**2.7000e-004**	**2.7000e-004**	**0.0000**	**2.4000e-004**	**2.4000e-004**	**0.0000**	**3.3384**	**3.3384**	**1.0800e-003**	**0.0000**	**3.3654**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.6000e-004	8.2000e-003	8.1700e-003	4.0000e-005		2.7000e-004	2.7000e-004		2.4000e-004	2.4000e-004	0.0000	3.3384	3.3384	1.0800e-003	0.0000	3.3654
Total	**8.6000e-004**	**8.2000e-003**	**8.1700e-003**	**4.0000e-005**	**0.0000**	**2.7000e-004**	**2.7000e-004**	**0.0000**	**2.4000e-004**	**2.4000e-004**	**0.0000**	**3.3384**	**3.3384**	**1.0800e-003**	**0.0000**	**3.3654**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Construction-East-Cranes

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments High Rise	423.00	Dwelling Unit	0.95	575,100.00	1210

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - see construction assumptions

Construction Phase - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Off-road Equipment - see construction assumptions

Trips and VMT - see construction assumptions

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	100.00	726.00
tblConstructionPhase	NumDays	100.00	40.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	8/4/2022	6/22/2025
tblConstructionPhase	PhaseEndDate	3/14/2022	3/26/2022
tblConstructionPhase	PhaseEndDate	3/15/2022	2/26/2023
tblConstructionPhase	PhaseStartDate	3/18/2022	2/27/2023
tblConstructionPhase	PhaseStartDate	3/1/2022	3/15/2022
tblConstructionPhase	PhaseStartDate	3/15/2022	1/11/2023
tblLandUse	LandUseSquareFeet	423,000.00	575,100.00
tblLandUse	LotAcreage	6.82	0.95
tblOffRoadEquipment	LoadFactor	0.29	0.29
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblTripsAndVMT	VendorTripNumber	45.00	0.00
tblTripsAndVMT	VendorTripNumber	45.00	0.00
tblTripsAndVMT	WorkerTripNumber	3.00	0.00
tblTripsAndVMT	WorkerTripNumber	305.00	0.00
tblTripsAndVMT	WorkerTripNumber	305.00	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	2.0400e-003	0.0229	0.0103	3.0000e-005	0.0000	9.5000e-004	9.5000e-004	0.0000	8.7000e-004	8.7000e-004	0.0000	2.7700	2.7700	9.0000e-004	0.0000	2.7924
2023	0.0998	1.0836	0.5210	1.6400e-003	0.0000	0.0453	0.0453	0.0000	0.0416	0.0416	0.0000	143.9745	143.9745	0.0466	0.0000	145.1386
2024	0.1042	1.1004	0.5573	1.8100e-003	0.0000	0.0458	0.0458	0.0000	0.0421	0.0421	0.0000	159.1796	159.1796	0.0515	0.0000	160.4667
2025	0.0463	0.4689	0.2570	8.5000e-004	0.0000	0.0199	0.0199	0.0000	0.0183	0.0183	0.0000	75.0299	75.0299	0.0243	0.0000	75.6365
Maximum	**0.1042**	**1.1004**	**0.5573**	**1.8100e-003**	**0.0000**	**0.0458**	**0.0458**	**0.0000**	**0.0421**	**0.0421**	**0.0000**	**159.1796**	**159.1796**	**0.0515**	**0.0000**	**160.4667**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	2.0400e-003	0.0229	0.0103	3.0000e-005	0.0000	9.5000e-004	9.5000e-004	0.0000	8.7000e-004	8.7000e-004	0.0000	2.7700	2.7700	9.0000e-004	0.0000	2.7924
2023	0.0998	1.0836	0.5210	1.6400e-003	0.0000	0.0453	0.0453	0.0000	0.0416	0.0416	0.0000	143.9743	143.9743	0.0466	0.0000	145.1384
2024	0.1042	1.1003	0.5573	1.8100e-003	0.0000	0.0458	0.0458	0.0000	0.0421	0.0421	0.0000	159.1794	159.1794	0.0515	0.0000	160.4665
2025	0.0463	0.4689	0.2570	8.5000e-004	0.0000	0.0199	0.0199	0.0000	0.0183	0.0183	0.0000	75.0298	75.0298	0.0243	0.0000	75.6364
Maximum	**0.1042**	**1.1003**	**0.5573**	**1.8100e-003**	**0.0000**	**0.0458**	**0.0458**	**0.0000**	**0.0421**	**0.0421**	**0.0000**	**159.1794**	**159.1794**	**0.0515**	**0.0000**	**160.4665**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	3-1-2022	5-31-2022	0.0233	0.0233
4	12-1-2022	2-28-2023	0.0911	0.0911
5	3-1-2023	5-31-2023	0.3286	0.3286
6	6-1-2023	8-31-2023	0.3286	0.3286
7	9-1-2023	11-30-2023	0.3250	0.3250
8	12-1-2023	2-29-2024	0.3080	0.3080
9	3-1-2024	5-31-2024	0.3025	0.3025
10	6-1-2024	8-31-2024	0.3025	0.3025
11	9-1-2024	11-30-2024	0.2992	0.2992
12	12-1-2024	2-28-2025	0.2780	0.2780
13	3-1-2025	5-31-2025	0.2745	0.2745
14	6-1-2025	8-31-2025	0.0656	0.0656
		Highest	0.3286	0.3286

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Utilities/Trenching	Trenching	3/15/2022	3/26/2022	6	11	
2	Foundations/Concrete Pour	Building Construction	1/11/2023	2/26/2023	6	40	
3	Building Construction	Building Construction	2/27/2023	6/22/2025	6	726	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Foundations/Concrete Pour	Cranes	1	8.00	231	0.29
Foundations/Concrete Pour	Forklifts	0	6.00	89	0.20
Utilities/Trenching	Concrete/Industrial Saws	0	8.00	81	0.73
Utilities/Trenching	Cranes	1	8.00	231	0.29
Building Construction	Cranes	2	8.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Foundations/Concrete Pour	Graders	0	8.00	187	0.41
Utilities/Trenching	Rubber Tired Dozers	0	1.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Utilities/Trenching	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Foundations/Concrete Pour	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Utilities/Trenching	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Foundations/Concrete Pour	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	2	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Utilities/Trenching - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.0400e-003	0.0229	0.0103	3.0000e-005		9.5000e-004	9.5000e-004		8.7000e-004	8.7000e-004	0.0000	2.7700	2.7700	9.0000e-004	0.0000	2.7924
Total	**2.0400e-003**	**0.0229**	**0.0103**	**3.0000e-005**		**9.5000e-004**	**9.5000e-004**		**8.7000e-004**	**8.7000e-004**	**0.0000**	**2.7700**	**2.7700**	**9.0000e-004**	**0.0000**	**2.7924**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.0400e-003	0.0229	0.0103	3.0000e-005		9.5000e-004	9.5000e-004		8.7000e-004	8.7000e-004	0.0000	2.7700	2.7700	9.0000e-004	0.0000	2.7924
Total	**2.0400e-003**	**0.0229**	**0.0103**	**3.0000e-005**		**9.5000e-004**	**9.5000e-004**		**8.7000e-004**	**8.7000e-004**	**0.0000**	**2.7700**	**2.7700**	**9.0000e-004**	**0.0000**	**2.7924**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Foundations/Concrete Pour - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.0300e-003	0.0763	0.0367	1.2000e-004		3.1900e-003	3.1900e-003		2.9300e-003	2.9300e-003	0.0000	10.1391	10.1391	3.2800e-003	0.0000	10.2210
Total	**7.0300e-003**	**0.0763**	**0.0367**	**1.2000e-004**		**3.1900e-003**	**3.1900e-003**		**2.9300e-003**	**2.9300e-003**	**0.0000**	**10.1391**	**10.1391**	**3.2800e-003**	**0.0000**	**10.2210**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.0300e-003	0.0763	0.0367	1.2000e-004		3.1900e-003	3.1900e-003		2.9300e-003	2.9300e-003	0.0000	10.1390	10.1390	3.2800e-003	0.0000	10.2210
Total	**7.0300e-003**	**0.0763**	**0.0367**	**1.2000e-004**		**3.1900e-003**	**3.1900e-003**		**2.9300e-003**	**2.9300e-003**	**0.0000**	**10.1390**	**10.1390**	**3.2800e-003**	**0.0000**	**10.2210**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0928	1.0073	0.4843	1.5200e-003		0.0421	0.0421		0.0387	0.0387	0.0000	133.8354	133.8354	0.0433	0.0000	134.9175
Total	**0.0928**	**1.0073**	**0.4843**	**1.5200e-003**		**0.0421**	**0.0421**		**0.0387**	**0.0387**	**0.0000**	**133.8354**	**133.8354**	**0.0433**	**0.0000**	**134.9175**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0928	1.0073	0.4843	1.5200e-003		0.0421	0.0421		0.0387	0.0387	0.0000	133.8353	133.8353	0.0433	0.0000	134.9174
Total	**0.0928**	**1.0073**	**0.4843**	**1.5200e-003**		**0.0421**	**0.0421**		**0.0387**	**0.0387**	**0.0000**	**133.8353**	**133.8353**	**0.0433**	**0.0000**	**134.9174**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1042	1.1004	0.5573	1.8100e-003		0.0458	0.0458		0.0421	0.0421	0.0000	159.1796	159.1796	0.0515	0.0000	160.4667
Total	**0.1042**	**1.1004**	**0.5573**	**1.8100e-003**		**0.0458**	**0.0458**		**0.0421**	**0.0421**	**0.0000**	**159.1796**	**159.1796**	**0.0515**	**0.0000**	**160.4667**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1042	1.1003	0.5573	1.8100e-003		0.0458	0.0458		0.0421	0.0421	0.0000	159.1794	159.1794	0.0515	0.0000	160.4665
Total	**0.1042**	**1.1003**	**0.5573**	**1.8100e-003**		**0.0458**	**0.0458**		**0.0421**	**0.0421**	**0.0000**	**159.1794**	**159.1794**	**0.0515**	**0.0000**	**160.4665**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0463	0.4689	0.2570	8.5000e-004		0.0199	0.0199		0.0183	0.0183	0.0000	75.0299	75.0299	0.0243	0.0000	75.6365
Total	**0.0463**	**0.4689**	**0.2570**	**8.5000e-004**		**0.0199**	**0.0199**		**0.0183**	**0.0183**	**0.0000**	**75.0299**	**75.0299**	**0.0243**	**0.0000**	**75.6365**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0463	0.4689	0.2570	8.5000e-004		0.0199	0.0199		0.0183	0.0183	0.0000	75.0298	75.0298	0.0243	0.0000	75.6364
Total	**0.0463**	**0.4689**	**0.2570**	**8.5000e-004**		**0.0199**	**0.0199**		**0.0183**	**0.0183**	**0.0000**	**75.0298**	**75.0298**	**0.0243**	**0.0000**	**75.6364**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Hollywood Center
On-Road Soil/Material Haul Truck Regional Emissions

Truck Total Emissions

Construction Phase	Source	Year	Daily One-Way Truck Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (MT/Year) CO2e	
West Site								
Demolition	T7 - Single Construction	2021	66	2	8	30	6.4487	
Grading/Excavation	T7 - Single Construction	2021/2022	192	209	8	30	1,963.7131	
Foundations/Concrete Pour (Revised) [MH	T7 - Single Construction	2022						
Shoring Wall	T7 - Single Construction	2022	20	19	8	7.5	4.8089	
Cast in Drilled Hole Foundation	T7 - Single Construction	2022	4	41	8	7.5	2.0754	
Mat Foundation (Continuous Pour)	T7 - Single Construction	2022	188	1	14	7.5	2.3791	
Column Footings	T7 - Single Construction	2022	42	4	8	7.5	2.1260	
Building Construction (Revised) [Starting v	T7 - Single Construction	2022						
Structure Equipment Garage	T7 - Single Construction	2022	84	52	8	7.5	55.2765	
Structure Equipment Tower	T7 - Single Construction	2022	42	42	8	7.5	22.3232	
Structure Equipment Affordable	T7 - Single Construction	2022	48	22	8	7.5	13.3636	
Retail	T7 - Single Construction	2022	28	2	8	7.5	0.7087	
							2,073.2232	**Total**
East Site								
Site Preparation	T7 - Single Construction	2022	52	2	8	30	4.8640	
Grading/Excavation	T7 - Single Construction	2022/2023	192	194	8	30	1,743.3446	
Foundations/Concrete Pour (Revised) [MH	T7 - Single Construction	2023						
Shoring Wall	T7 - Single Construction	2023	20	16	8	7.5	3.8601	
Cast in Drilled Hole Foundation	T7 - Single Construction	2023	4	30	8	7.5	1.4476	
Mat Foundation (Continuous Pour)	T7 - Single Construction	2023	142	1	11	7.5	1.7129	
Column Footings	T7 - Single Construction	2023	42	4	8	7.5	2.0266	
Building Construction (Revised) [Starting v	T7 - Single Construction	2023						
Structure Equipment Garage	T7 - Single Construction	2023	88	58	8	7.5	61.5691	
Structure Equipment Tower	T7 - Single Construction	2023	40	82	8	7.5	39.5664	
Structure Equipment Affordable	T7 - Single Construction	2023	36	18	8	7.5	7.8168	
Retail	T7 - Single Construction	2023	60	3	8	7.5	2.1713	
							1,868.3794	**Total**

Source: Based on AECOM Tishman, 2018; Millennium Partners, 2018; ESA, 2020

Hollywood Center
On-Road Soil/Material Haul Truck Regional Emissions

On-Road Truck Regional Running Emissions

Construction Phase	Source	Year	Daily One-Way Truck Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Running Emissions Factor (grams/mile) CO2e	Regional Emissions CO2e (metric tons/year)
West Site								
Demolition	T7 - Single Construction	2021	66	2	8	30	1,587.4284	6.29
Grading/Excavation	T7 - Single Construction	2021	192	209	8	30	1,587.4284	1,914.23
Foundations/Concrete Pour (Revised) [MI	T7 - Single Construction	2022						
Shoring Wall	T7 - Single Construction	2022	20	19	8	7.5	1,516.1793	4.32
Cast in Drilled Hole Foundation	T7 - Single Construction	2022	4	41	8	7.5	1,516.1793	1.86
Mat Foundation (Continuous Pour)	T7 - Single Construction	2022	188	1	14	7.5	1,516.1793	2.14
Column Footings	T7 - Single Construction	2022	42	4	8	7.5	1,516.1793	1.91
Building Construction (Revised) [Starting v	T7 - Single Construction	2022						
Structure Equipment Garage	T7 - Single Construction	2022	84	52	8	7.5	1,516.1793	49.67
Structure Equipment Tower	T7 - Single Construction	2022	42	42	8	7.5	1,516.1793	20.06
Structure Equipment Affordable	T7 - Single Construction	2022	48	22	8	7.5	1,516.1793	12.01
Retail	T7 - Single Construction	2022	28	2	8	7.5	1,516.1793	0.64
							Total	**2,013.13**

East Site								
Site Preparation	T7 - Single Construction	2022	52	2	8	30	1,516.1793	4.73
Grading/Excavation	T7 - Single Construction	2022	192	194	8	30	1,516.1793	1,695.50
Foundations/Concrete Pour (Revised) [MI	T7 - Single Construction	2023						
Shoring Wall	T7 - Single Construction	2023	20	16	8	7.5	1,441.1851	3.46
Cast in Drilled Hole Foundation	T7 - Single Construction	2023	4	30	8	7.5	1,441.1851	1.30
Mat Foundation (Continuous Pour)	T7 - Single Construction	2023	142	1	11	7.5	1,441.1851	1.53
Column Footings	T7 - Single Construction	2023	42	4	8	7.5	1,441.1851	1.82
Building Construction (Revised) [Starting v	T7 - Single Construction	2023						
Structure Equipment Garage	T7 - Single Construction	2023	88	58	8	7.5	1,441.1851	55.17
Structure Equipment Tower	T7 - Single Construction	2023	40	82	8	7.5	1,441.1851	35.45
Structure Equipment Affordable	T7 - Single Construction	2023	36	18	8	7.5	1,441.1851	7.00
Retail	T7 - Single Construction	2023	60	3	8	7.5	1,441.1851	1.95
							Total	**1,807.91**

Source: Based on AECOM Tishman, 2018; Millennium Partners, 2018; ESA, 2020

Hollywood Center
On-Road Soil/Material Haul Truck Regional Emissions

On-Road Truck Idling Emissions

Construction Phase	Source	Year	Daily One-Way Truck Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	Idling Time per Truck (minutes)	Emissions Factor (g/min) CO2e	Regional Emissions CO2e (metric tons/year)
West Site								
Demolition	T7 - Single Construction	2021	66	2	8	15	164.1256	0.1625
Grading/Excavation	T7 - Single Construction	2021	192	209	8	15	164.1256	49.4786
Foundations/Concrete Pour (Revised) [MH	T7 - Single Construction	2022						
Shoring Wall	T7 - Single Construction	2022	20	19	8	15	171.1378	0.4877
Cast in Drilled Hole Foundation	T7 - Single Construction	2022	4	41	8	15	171.1378	0.2105
Mat Foundation (Continuous Pour)	T7 - Single Construction	2022	188	1	14	15	171.1378	0.2413
Column Footings	T7 - Single Construction	2022	42	4	8	15	171.1378	0.2156
Building Construction (Revised) [Starting v	T7 - Single Construction	2022						
Structure Equipment Garage	T7 - Single Construction	2022	84	52	8	15	171.1378	5.6065
Structure Equipment Tower	T7 - Single Construction	2022	42	42	8	15	171.1378	2.2642
Structure Equipment Affordable	T7 - Single Construction	2022	48	22	8	15	171.1378	1.3554
Retail	T7 - Single Construction	2022	28	2	8	15	171.1378	0.0719
							Total	**60.0942**

East Site								
Site Preparation	T7 - Single Construction	2022	52	2	8	15	171.1378	0.1335
Grading/Excavation	T7 - Single Construction	2022	192	194	8	15	171.1378	47.8446
Foundations/Concrete Pour (Revised) [MH	T7 - Single Construction	2023						
Shoring Wall	T7 - Single Construction	2023	20	16	8	15	167.2043	0.4013
Cast in Drilled Hole Foundation	T7 - Single Construction	2023	4	30	8	15	167.2043	0.1505
Mat Foundation (Continuous Pour)	T7 - Single Construction	2023	142	1	11	15	167.2043	0.1781
Column Footings	T7 - Single Construction	2023	42	4	8	15	167.2043	0.2107
Building Construction (Revised) [Starting v	T7 - Single Construction	2023						
Structure Equipment Garage	T7 - Single Construction	2023	88	58	8	15	167.2043	6.4006
Structure Equipment Tower	T7 - Single Construction	2023	40	82	8	15	167.2043	4.1132
Structure Equipment Affordable	T7 - Single Construction	2023	36	18	8	15	167.2043	0.8126
Retail	T7 - Single Construction	2023	60	3	8	15	167.2043	0.2257
							Total	**60.4708**

Source: Based on AECOM Tishman, 2018; Millennium Partners, 2018; ESA, 2020

Hollywood Center
On-Road Truck Emission Factors (Aggregate Model Year, Aggregate Speeds)

EMFAC2017 (v1.0.7) Emission Rates
Region Type: Sub-Area
Region: Los Angeles (SC)
Calendar Years: 2020, 2021, 2022, 2023,2024,2025
Season: Annual
Vehicle Classification: EMFAC2011 Categories
Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/hour for IDLEX, RESTL and DIURN

						GREENHOUSE GASES (g/mi or g/min)							
Region	**CalYr**	**VehClass**	**MdlYr**	**Speed**	**Fuel**	**CO2_RUNEX**	**CO2_IDLEX**	**CH4_RUNEX**	**CH4_IDLEX**	**N2O_RUNEX**	**N2O_IDLEX**	**CO2e_RUNEX**	**CO2e_IDLEX**
Los Angeles County (SC)	2021	T7 single construction	Aggregated	Aggregated	Diesel	1.52E+03	1.57E+02	7.78E-03	2.93E-03	2.38E-01	2.46E-02	1,587.43	164.13
Los Angeles County (SC)	2022	T7 single construction	Aggregated	Aggregated	Diesel	1.45E+03	1.63E+02	3.42E-03	2.94E-03	2.28E-01	2.57E-02	1,516.18	171.14
Los Angeles County (SC)	2023	T7 single construction	Aggregated	Aggregated	Diesel	1.38E+03	1.60E+02	9.34E-04	2.93E-03	2.16E-01	2.51E-02	1,441.19	167.20
Los Angeles County (SC)	2024	T7 single construction	Aggregated	Aggregated	Diesel	1.36E+03	1.58E+02	9.07E-04	2.93E-03	2.14E-01	2.49E-02	1,423.94	165.62

Source: California Air Resources Board, EMFAC2017. Accessed October 2019.

Hollywood Center
On-Road Vendor Truck Regional Emissions

Truck Total Emissions

Construction Phase	Source	Year	Daily One-Way Truck Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (MT/Year) CO2e	
West Site								
Building Construction (Revi	MHDT,HHDT	2022						
	MHDT,HHDT	2022	50	263	8	6.9	134.60	
	MHDT,HHDT	2023	50	312	8	6.9	158.76	
	MHDT,HHDT	2024	50	64	8	6.9	66.91	
							360.27	**Total**
East Site								
Building Construction (Revi	MHDT,HHDT	2023						
	MHDT,HHDT	2023	50	264	8	6.9	133.64	
	MHDT,HHDT	2024	50	314	8	6.9	158.67	
	MHDT,HHDT	2025	50	148	8	6.9	74.62	
							366.92	**Total**

Source: Based on AECOM Tishman, 2018; Millennium Partners, 2018; ESA, 2020.

Hollywood Center
On-Road Vendor Truck Regional Emissions

Vendor Truck Regional Running Emissions

Construction Phase	Source	Year	Daily One-Way Truck Trips	Work Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Running Emissions Factor (grams/mile) CO2e	Regional Emissions CO2e (metric tons/year)
West Site								
Building Construction (Revis	MHDT,HHDT	2022						
	MHDT,HHDT	2022	50	263	8	6.9	1,259.5479	114.29
	MHDT,HHDT	2023	50	312	8	6.9	1,192.9180	128.41
	MHDT,HHDT	2024	50	64	8	6.9	1,175.7882	25.96
							Total	**268.65**
East Site								
Building Construction (Revis	MHDT,HHDT	2023						
	MHDT,HHDT	2023	50	264	8	6.9	1,192.92	108.65
	MHDT,HHDT	2024	50	314	8	6.9	1,192.92	129.23
	MHDT,HHDT	2025	50	148	8	6.9	1,192.92	60.91
							Total	**298.79**

Source: Based on AECOM Tishman, 2018; Millennium Partners, 2018; ESA, 2020.

Hollywood Center
On-Road Vendor Truck Regional Emissions

Vendor Truck Regional Idling Emissions

Construction Phase	Source	Year	Daily One-Way Truck Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	Idling Time per Truck (minutes)	Emissions Factor (g/min) CO2e	Regional Emissions CO2e (metric tons/year)
West Site								
Building Construction (Revis	MHDT,HHDT	2022						
	MHDT,HHDT	2022	50	263	8	15	263.0604	25.94
	MHDT,HHDT	2023	50	312	8	15	252.4162	29.53
	MHDT,HHDT	2024	50	64	8	15	249.9941	6.00
							Total	**61.48**
East Site								
Building Construction (Revis	MHDT,HHDT	2023						
	MHDT,HHDT	2023	50	264	8	15	252.4162	24.99
	MHDT,HHDT	2024	50	314	8	15	249.9941	29.44
	MHDT,HHDT	2025	50	148	8	15	246.9722	13.71
							Total	**68.13**

Source: Based on AECOM Tishman, 2018; Millennium Partners, 2018; ESA, 2020.

Hollywood Center
On-Road Truck Emission Factors (Aggregate Model Year, Aggregate Speeds)

EMFAC2017 (v1.0.7) Emission Rates
Region Type: Sub-Area
Region: Los Angeles (SC)
Calendar Years: 2020, 2021, 2022, 2023,2024,2025
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/hour for IDLEX, RESTL and DIURN

						GREENHOUSE GASES (g/mi or g/min)							
Region	**CalYr**	**VehClass**	**MdlYr**	**Speed**	**Fuel**	**CO2_RUNEX**	**CO2_IDLEX**	**CH4_RUNEX**	**CH4_IDLEX**	**N2O_RUNEX**	**N2O_IDLEX**	**CO2e_RUNEX**	**CO2e_IDLEX**
Los Angeles County (SC)	2021	MHDT,HHDT	Aggregated	Aggregated	Diesel	1.24E+03	2.48E+02	5.76E-03	4.43E-03	1.95E-01	3.90E-02	1,299.88	259.53
Los Angeles County (SC)	2022	MHDT,HHDT	Aggregated	Aggregated	Diesel	1.20E+03	2.51E+02	3.24E-03	4.37E-03	1.89E-01	3.95E-02	1,259.55	263.06
Los Angeles County (SC)	2023	MHDT,HHDT	Aggregated	Aggregated	Diesel	1.14E+03	2.41E+02	6.43E-04	4.34E-03	1.79E-01	3.79E-02	1,192.92	252.42
Los Angeles County (SC)	2024	MHDT,HHDT	Aggregated	Aggregated	Diesel	1.12E+03	2.39E+02	6.48E-04	4.36E-03	1.77E-01	3.75E-02	1,175.79	249.99
Los Angeles County (SC)	2025	MHDT,HHDT	Aggregated	Aggregated	Diesel	1.10E+03	2.36E+02	6.47E-04	4.37E-03	1.73E-01	3.71E-02	1,154.74	246.97

Source: California Air Resources Board, EMFAC2017. Accessed October 2019.

Hollywood Center
On-Road Worker Regional Emissions

Worker Total Emissions

Construction Phase	Source	Year	Daily One-Way Truck Trips	Work Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (MT/Year) CO2e
West Site							
Demolition	LDA,LDT1,LDT2	2021	12	49	8	14.7	2.7320
Site Preparation	LDA,LDT1,LDT2	2021	24	24	8	14.7	2.6762
Grading/Excavation	LDA,LDT1,LDT2	2021	224	278	8	14.7	289.3286
	LDA,LDT1,LDT2	2022	224	1	8	14.7	1.0107
Foundations/Concrete Pour (Revised) [MI	LDA,LDT1,LDT2	2022					
Foundations	LDA,LDT1,LDT2	2022	250	49	8	14.7	55.2711
Utilities/Trenching (Revised) [MHD101: R	LDA,LDT1,LDT2	2021	12	18	8	14.7	1.0036
Building Construction (Revised) [Starting	LDA,LDT1,LDT2	2022					
	LDA,LDT1,LDT2	2022	600	263	8	14.7	711.9817
	LDA,LDT1,LDT2	2023	600	312	8	14.7	819.7645
	LDA,LDT1,LDT2	2024	600	64	8	14.7	163.9365
Paving (Revised) [MHW112: Hardscap	LDA,LDT1,LDT2	2023	24	76	8	14.7	7.9874
Architectural Coatings (Revised) [MHV	LDA,LDT1,LDT2	2022	16	59	8	14.7	4.2593
	LDA,LDT1,LDT2	2023	16	312	8	14.7	21.8604
	LDA,LDT1,LDT2	2024	16	27	8	14.7	1.8443
							2,083.66
East Site							
Site Preparation	LDA,LDT1,LDT2	2022	24	27	8	14.7	2.9237
Grading/Excavation	LDA,LDT1,LDT2	2022	224	251	8	14.7	253.6785
	LDA,LDT1,LDT2	2023	224	8	8	14.7	7.8473
Foundations/Concrete Pour (Revised) [MI	LDA,LDT1,LDT2	2023					
Foundations	LDA,LDT1,LDT2	2023	248	40	8	14.7	43.4405
Utilities/Trenching (Revised) [MHD101: R	LDA,LDT1,LDT2	2022	12	11	8	14.7	0.5956
Building Construction (Revised) [Starting	LDA,LDT1,LDT2	2023					
	LDA,LDT1,LDT2	2023	600	264	8	14.7	693.6469
	LDA,LDT1,LDT2	2024	600	314	8	14.7	804.3136
	LDA,LDT1,LDT2	2025	600	148	8	14.7	367.5606
Paving (Revised) [MHE112: Hardscape & I	LDA,LDT1,LDT2	2024	24	78	8	14.7	7.9919
Architectural Coatings (Revised) [MHE109	LDA,LDT1,LDT2	2023	16	67	8	14.7	4.6944
	LDA,LDT1,LDT2	2024	16	314	8	14.7	21.4484
	LDA,LDT1,LDT2	2025	16	20	8	14.7	1.3245
							2,209.47

Source: Based on AECOM Tishman, 2018; Millennium Partners, 2018; ESA, 2020

Hollywood Center
On-Road Worker Regional Emissions

Worker Regional Running Emissions

Construction Phase	Source	Year	Daily One-Way Worker Trips	Work Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Running Emissions Factor (grams/mile) CO2e	Regional Emissions CO2e (metric tons/year)
West Site								
Demolition	LDA,LDT1,LDT2	2021	12	49	8	14.7	316.0685	2.73
Site Preparation	LDA,LDT1,LDT2	2021	24	24	8	14.7	316.0685	2.68
Grading/Excavation	LDA,LDT1,LDT2	2021	224	278	8	14.7	316.0685	289.33
	LDA,LDT1,LDT2	2022	224	1	8	14.7	306.9337	1.01
Foundations/Concrete Pour (Revised) [MI	LDA,LDT1,LDT2	2022						
Foundations	LDA,LDT1,LDT2	2022	250	49	8	14.7	306.9337	55.27
Utilities/Trenching (Revised) [MHD101: R	LDA,LDT1,LDT2	2021	12	18	8	14.7	316.0685	1.00
Building Construction (Revised) [Starting	LDA,LDT1,LDT2	2022						
	LDA,LDT1,LDT2	2022	600	263	8	14.7	306.9337	711.98
	LDA,LDT1,LDT2	2023	600	312	8	14.7	297.8969	819.76
	LDA,LDT1,LDT2	2024	600	64	8	14.7	290.4204	163.94
Paving (Revised) [MHW112: Hardscap	LDA,LDT1,LDT2	2023	24	76	8	14.7	297.8969	7.99
Architectural Coatings (Revised) [MHV	LDA,LDT1,LDT2	2022	16	59	8	14.7	306.9337	4.26
	LDA,LDT1,LDT2	2023	16	312	8	14.7	297.8969	21.86
	LDA,LDT1,LDT2	2024	16	27	8	14.7	290.4204	1.84
							Total	**2,083.66**
East Site								
Site Preparation	LDA,LDT1,LDT2	2022	24	27	8	14.7	306.9337	2.92
Grading/Excavation	LDA,LDT1,LDT2	2022	224	251	8	14.7	306.9337	253.68
	LDA,LDT1,LDT2	2023	224	8	8	14.7	297.8969	7.85
Foundations/Concrete Pour (Revised) [MI	LDA,LDT1,LDT2	2023						
Foundations	LDA,LDT1,LDT2	2023	248	40	8	14.7	297.8969	43.44
Utilities/Trenching (Revised) [MHD101: R	LDA,LDT1,LDT2	2022	12	11	8	14.7	306.9337	0.60
Building Construction (Revised) [Starting	LDA,LDT1,LDT2	2023						
	LDA,LDT1,LDT2	2023	600	264	8	14.7	297.8969	693.65
	LDA,LDT1,LDT2	2024	600	314	8	14.7	290.4204	804.31
	LDA,LDT1,LDT2	2025	600	148	8	14.7	281.5780	367.56
Paving (Revised) [MHE112: Hardscape & I	LDA,LDT1,LDT2	2024	24	78	8	14.7	290.4204	7.99
Architectural Coatings (Revised) [MHE109	LDA,LDT1,LDT2	2023	16	67	8	14.7	297.8969	4.69
	LDA,LDT1,LDT2	2024	16	314	8	14.7	290.4204	21.45
	LDA,LDT1,LDT2	2025	16	20	8	14.7	281.5780	1.32
							Total	**2,209.47**

Source: Based on AECOM Tishman, 2018; Millennium Partners, 2018; ESA, 2020

Hollywood Center
On-Road Woker Emission Factors (Aggregate Model Year, Aggregate Speeds)

EMFAC2017 (v1.0.7) Emission Rates
Region Type: Sub-Area
Region: Los Angeles (SC)
Calendar Years: 2020, 2021, 2022, 2023,2024,2025
Season: Annual
Vehicle Classification: EMFAC2011 Categories
Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/hour for IDLEX, RESTL and D

						GREENHOUSE GASES (g/mi or g/min)			
Region	**CalYr**	**VehClass**	**MdlYr**	**Speed**	**Fuel**	**CO2_RUNEX**	**CH4_RUNEX**	**N2O_RUNEX**	**CO2e_RUNEX**
Los Angeles County (SC)	2021	LDA,LDT1,LDT2	Aggregated	Aggregated	Gas	3.14E+02	0.0054	0.0070	316.07
Los Angeles County (SC)	2022	LDA,LDT1,LDT2	Aggregated	Aggregated	Gas	3.05E+02	0.0048	0.0063	306.93
Los Angeles County (SC)	2023	LDA,LDT1,LDT2	Aggregated	Aggregated	Gas	2.96E+02	0.0042	0.0058	297.90
Los Angeles County (SC)	2024	LDA,LDT1,LDT2	Aggregated	Aggregated	Gas	2.89E+02	0.0038	0.0053	290.42
Los Angeles County (SC)	2025	LDA,LDT1,LDT2	Aggregated	Aggregated	Gas	2.80E+02	0.0033	0.0049	281.58

Source: California Air Resources Board, EMFAC2017. Accessed October 2019.

Hollywood Center Project

3. GHG Worksheets

GHG Calculation Worksheets and Model Outputs

2. Emissions Modeling Outputs and Calculations

b) Operations

Hollywood Center Project

Greenhouse Gases - Operational Emissions - 2024

Summary of Estimated Unmitigated Annual GHG Emissions (CEQA Analysis)

Source	GHG Emissions MTCO2e
Project Without GHG Reduction Characteristics, Features, and Measures	
Amortized Construction[1]	225
Stationary (Cooling Tower)	34
Area (Landscaping equipment + Stationary Generator)	48
Energy - Natural Gas	443
Energy - Electricity	1,613
Waste	130
Water	181
Mobile	2,151
Subtotal	**4,825**
Project	
Amortized Construction[1]	225
Stationary (Cooling Tower)	9
Area (Landscaping equipment + Stationary Generator)	48
Energy - Natural Gas	423
Energy - Electricity	1298
Waste	130
Water	118
Mobile	1,505
Subtotal	**3,757**

Notes:

1. Total construction-related GHG emissions amortized over 30 years, per SCAQMD guidance.

Source: ESA, 2019

Hollywood Center Project
All Residential
Greenhouse Gases - Operational Emissions - 2025

Summary of Estimated Unmitigated Annual GHG Emissions (CEQA Analysis)

Source	GHG Emissions MTCO2e
Project Without GHG Reduction Characteristics, Features, and Measures	
Amortized Construction[1]	449
Stationary (Cooling Tower)	82
Area (Landscaping equipment + Stationary Generator)	96
Energy - Natural Gas	928
Energy - Electricity	3089
Waste	272
Water	362
Mobile	4,471
Subtotal	**9,750**
Project	
Amortized Construction[1]	449
Stationary (Cooling Tower)	12
Area (Landscaping equipment + Stationary Generator)	96
Energy - Natural Gas	888
Energy - Electricity	2,491
Waste	272
Water	238
Mobile	3,130
Subtotal	**7,575**

Notes:

1. Total construction-related GHG emissions amortized over 30 years, per SCAQMD guidance.

Hollywood Center Project
Hotel Option
Greenhouse Gases - Operational Emissions - 2025

Summary of Estimated Unmitigated Annual GHG Emissions (CEQA Analysis)

Source	GHG Emissions MTCO2e
Project Without GHG Reduction Characteristics, Features, and Measures	
Amortized Construction[1]	449
Stationary (Cooling Tower)	84
Area (Landscaping equipment + Stationary Generator)	94
Energy - Natural Gas	1044
Energy - Electricity	3204
Waste	252
Water	387
Mobile	5,280
Subtotal	**10,795**
Project	
Amortized Construction[1]	449
Stationary (Cooling Tower)	18
Area (Landscaping equipment + Stationary Generator)	94
Energy - Natural Gas	990
Energy - Electricity	2,579
Waste	252
Water	260
Mobile	3,696
Subtotal	**8,339**

Notes:

1. Total construction-related GHG emissions amortized over 30 years, per SCAQMD guidance.

Hollywood Center Project
All Residential
Greenhouse Gases - Operational Emissions - 2027

Summary of Estimated Unmitigated Annual GHG Emissions (CEQA Analysis)

Source	GHG Emissions MTCO2e
Project Without GHG Reduction Characteristics, Features, and Measures	
Amortized Construction[1]	449
Stationary (Cooling Tower)	82
Area (Landscaping equipment + Stationary Generator)	96
Energy - Natural Gas	928
Energy - Electricity	3083
Waste	272
Water	362
Mobile	4,254
Subtotal	**9,527**
Project	
Amortized Construction[1]	449
Stationary (Cooling Tower)	11
Area (Landscaping equipment + Stationary Generator)	96
Energy - Natural Gas	888
Energy - Electricity	2,226
Waste	272
Water	221
Mobile	2,978
Subtotal	**7,141**

Notes:

1. Total construction-related GHG emissions amortized over 30 years, per SCAQMD guidance.

Source: ESA, 2019

Hollywood Center Project
Hotel Option
Greenhouse Gases - Operational Emissions - 2027

Summary of Estimated Unmitigated Annual GHG Emissions (CEQA Analysis)

Source	GHG Emissions MTCO2e
Project Without GHG Reduction Characteristics, Features, and Measures	
Amortized Construction[1]	449
Stationary (Cooling Tower)	84
Area (Landscaping equipment + Stationary Generator)	94
Energy - Natural Gas	1044
Energy - Electricity	3198
Waste	252
Water	387
Mobile	5,025
Subtotal	**10,534**
Project	
Amortized Construction[1]	449
Stationary (Cooling Tower)	16
Area (Landscaping equipment + Stationary Generator)	94
Energy - Natural Gas	990
Energy - Electricity	2,306
Waste	252
Water	241
Mobile	3,517
Subtotal	**7,867**

Notes:

1. Total construction-related GHG emissions amortized over 30 years, per SCAQMD guidance.

Hollywood Center - West - Operations

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	41.60	1000sqft	0.10	41,600.00	0
Enclosed Parking with Elevator	837.00	Space	0.50	432,956.00	0
Other Non-Asphalt Surfaces	22.45	1000sqft	0.10	22,450.00	0
User Defined Parking	5.16	User Defined Unit	0.22	5,163.00	0
City Park	0.79	Acre	0.10	34,205.00	0
Fast Food Restaurant w/o Drive Thru	1.98	1000sqft	0.10	1,983.00	0
High Turnover (Sit Down Restaurant)	11.24	1000sqft	0.10	11,237.00	0
Apartments Mid Rise	68.00	Dwelling Unit	0.20	67,705.00	194
Condo/Townhouse High Rise	449.00	Dwelling Unit	0.50	581,464.00	1284

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2024
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	497	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor: California Air Resources Board, Statewide Emission Factors (EF) For Use With AB 900 Projects (Jan 2017). Linearly adjusted to 44% RPS by 2024.
Land Use - see operational assumptions

Vehicle Trips - see operational assumptions. VMT and trips provided by traffic study.

Woodstoves - see operational assumptions

Energy Use - see operational assumptions. Lighting energy intensity of Parking Lot land use used as surrogate for public open space lighting energy intensity.
Water And Wastewater - See water demand spreadsheet and water supply assessment.

Solid Waste - see operational assumptions.

Sequestration - Miscellaneous trees; 130 trees on West Site.

Energy Mitigation - The Project LEED checklist states it will be 20% more efficient than 2010 Ashrae 90.1 Standard. Therefore, compared to 2016 Title 24 Building Energy Efficiency that is based off of 2013 Ashrae 90.1 Standards, the Project will be 11.6% more efficient.
Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	44,513.00	45,115.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	133,538.00	135,344.00
tblArchitecturalCoating	ConstArea_Parking	27,634.00	26,786.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	438,189.00	437,603.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,314,567.00	1,312,808.00
tblAreaCoating	Area_Nonresidential_Exterior	44513	55738
tblAreaCoating	Area_Nonresidential_Interior	133538	167213
tblAreaCoating	Area_Parking	27634	26287
tblEnergyUse	LightingElect	0.00	0.35
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00

tblFireplaces	NumberGas	57.80	0.00
tblFireplaces	NumberGas	381.65	0.00
tblFireplaces	NumberNoFireplace	6.80	0.00
tblFireplaces	NumberNoFireplace	44.90	0.00
tblFireplaces	NumberWood	3.40	0.00
tblFireplaces	NumberWood	22.45	0.00
tblLandUse	LandUseSquareFeet	334,800.00	432,956.00
tblLandUse	LandUseSquareFeet	0.00	5,163.00
tblLandUse	LandUseSquareFeet	34,412.40	34,205.00
tblLandUse	LandUseSquareFeet	1,980.00	1,983.00
tblLandUse	LandUseSquareFeet	11,240.00	11,237.00
tblLandUse	LandUseSquareFeet	68,000.00	67,705.00
tblLandUse	LandUseSquareFeet	449,000.00	581,464.00
tblLandUse	LotAcreage	0.96	0.10
tblLandUse	LotAcreage	7.53	0.50
tblLandUse	LotAcreage	0.52	0.10
tblLandUse	LotAcreage	0.00	0.22
tblLandUse	LotAcreage	0.79	0.10
tblLandUse	LotAcreage	0.05	0.10
tblLandUse	LotAcreage	0.26	0.10
tblLandUse	LotAcreage	1.79	0.20
tblLandUse	LotAcreage	7.02	0.50
tblProjectCharacteristics	CO2IntensityFactor	1227.89	497
tblSequestration	NumberOfNewTrees	0.00	130.00
tblSolidWaste	SolidWasteGenerationRate	31.28	62.05
tblSolidWaste	SolidWasteGenerationRate	0.07	0.00
tblSolidWaste	SolidWasteGenerationRate	206.54	1,002.16
tblSolidWaste	SolidWasteGenerationRate	22.81	1.81
tblSolidWaste	SolidWasteGenerationRate	38.69	0.00
tblSolidWaste	SolidWasteGenerationRate	133.76	10.25

tblTripsAndVMT	VendorTripNumber	145.00	143.00
tblTripsAndVMT	WorkerTripNumber	599.00	593.00
tblTripsAndVMT	WorkerTripNumber	120.00	119.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	4.31	0.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	3.43	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	4.18	0.00
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	127.15	0.00
tblWater	IndoorWaterUseRate	4,430,473.74	2,730,126.00
tblWater	IndoorWaterUseRate	29,254,157.50	18,026,861.00
tblWater	IndoorWaterUseRate	600,996.75	0.00

tblWater	IndoorWaterUseRate	7,393,723.92	1,570,890.00
tblWater	IndoorWaterUseRate	3,411,718.93	4,922,930.00
tblWater	OutdoorWaterUseRate	2,793,124.75	0.00
tblWater	OutdoorWaterUseRate	941,270.27	179,870.00
tblWater	OutdoorWaterUseRate	18,442,838.43	0.00
tblWater	OutdoorWaterUseRate	0.00	89,382.00
tblWater	OutdoorWaterUseRate	38,361.49	0.00
tblWater	OutdoorWaterUseRate	4,531,637.24	0.00
tblWater	OutdoorWaterUseRate	217,769.29	0.00
tblWater	OutdoorWaterUseRate	0.00	84,956.00
tblWoodstoves	NumberCatalytic	3.40	0.00
tblWoodstoves	NumberCatalytic	22.45	0.00
tblWoodstoves	NumberNoncatalytic	3.40	0.00
tblWoodstoves	NumberNoncatalytic	22.45	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.1194	0.0615	5.3411	2.8000e-004		0.0296	0.0296		0.0296	0.0296	0.0000	8.7320	8.7320	8.4200e-003	0.0000	8.9424
Energy	0.0445	0.3903	0.2369	2.4300e-003		0.0307	0.0307		0.0307	0.0307	0.0000	1,756.0475	1,756.0475	0.0852	0.0240	1,765.3168
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	218.4731	0.0000	218.4731	12.9114	0.0000	541.2578
Water						0.0000	0.0000		0.0000	0.0000	8.6454	80.8790	89.5244	0.8927	0.0219	118.3807
Total	**3.1639**	**0.4519**	**5.5780**	**2.7100e-003**	**0.0000**	**0.0603**	**0.0603**	**0.0000**	**0.0603**	**0.0603**	**227.1185**	**1,845.6585**	**2,072.7770**	**13.8977**	**0.0459**	**2,433.8977**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.1194	0.0615	5.3411	2.8000e-004		0.0296	0.0296		0.0296	0.0296	0.0000	8.7320	8.7320	8.4200e-003	0.0000	8.9424
Energy	0.0424	0.3726	0.2270	2.3200e-003		0.0293	0.0293		0.0293	0.0293	0.0000	1,681.4988	1,681.4988	0.0817	0.0229	1,690.3733
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	52.4335	0.0000	52.4335	3.0987	0.0000	129.9019
Water						0.0000	0.0000		0.0000	0.0000	8.6454	80.8790	89.5244	0.8927	0.0219	118.3807
Total	**3.1619**	**0.4341**	**5.5682**	**2.6000e-003**	**0.0000**	**0.0589**	**0.0589**	**0.0000**	**0.0589**	**0.0589**	**61.0790**	**1,771.1098**	**1,832.1888**	**4.0815**	**0.0449**	**1,947.5982**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.06**	**3.92**	**0.18**	**4.06**	**0.00**	**2.32**	**2.32**	**0.00**	**2.32**	**2.32**	**73.11**	**4.04**	**11.61**	**70.63**	**2.24**	**19.98**

2.3 Vegetation

Vegetation

	CO2e
Category	MT
New Trees	92.0400
Total	**92.0400**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
User Defined Parking	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Fast Food Restaurant w/o Drive Thru	16.60	8.40	6.90	1.50	79.50	19.00	51	37	12
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down Restaurant)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Parking	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
City Park	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Condo/Townhouse High Rise	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Enclosed Parking with Elevator	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Fast Food Restaurant w/o Drive Thru	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
General Office Building	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
High Turnover (Sit Down Restaurant)	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Other Non-Asphalt Surfaces	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
User Defined Parking	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,261.4421	1,261.4421	0.0736	0.0152	1,267.8204
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,315.8569	1,315.8569	0.0768	0.0159	1,322.5103
NaturalGas Mitigated	0.0424	0.3726	0.2270	2.3200e-003		0.0293	0.0293		0.0293	0.0293	0.0000	420.0567	420.0567	8.0500e-003	7.7000e-003	422.5528
NaturalGas Unmitigated	0.0445	0.3903	0.2369	2.4300e-003		0.0307	0.0307		0.0307	0.0307	0.0000	440.1907	440.1907	8.4400e-003	8.0700e-003	442.8065

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	626752	3.3800e-003	0.0289	0.0123	1.8000e-004		2.3300e-003	2.3300e-003		2.3300e-003	2.3300e-003	0.0000	33.4459	33.4459	6.4000e-004	6.1000e-004	33.6446
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	4.13841e+006	0.0223	0.1907	0.0812	1.2200e-003		0.0154	0.0154		0.0154	0.0154	0.0000	220.8411	220.8411	4.2300e-003	4.0500e-003	222.1535
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	457597	2.4700e-003	0.0224	0.0188	1.3000e-004		1.7000e-003	1.7000e-003		1.7000e-003	1.7000e-003	0.0000	24.4191	24.4191	4.7000e-004	4.5000e-004	24.5642
General Office Building	433056	2.3400e-003	0.0212	0.0178	1.3000e-004		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003	0.0000	23.1095	23.1095	4.4000e-004	4.2000e-004	23.2469
High Turnover (Sit Down Restaurant)	2.59305e+006	0.0140	0.1271	0.1068	7.6000e-004		9.6600e-003	9.6600e-003		9.6600e-003	9.6600e-003	0.0000	138.3750	138.3750	2.6500e-003	2.5400e-003	139.1973
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0445**	**0.3903**	**0.2369**	**2.4200e-003**		**0.0307**	**0.0307**		**0.0307**	**0.0307**	**0.0000**	**440.1907**	**440.1907**	**8.4300e-003**	**8.0700e-003**	**442.8065**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	592156	3.1900e-003	0.0273	0.0116	1.7000e-004		2.2100e-003	2.2100e-003		2.2100e-003	2.2100e-003	0.0000	31.5997	31.5997	6.1000e-004	5.8000e-004	31.7875
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	3.90997e+006	0.0211	0.1802	0.0767	1.1500e-003		0.0146	0.0146		0.0146	0.0146	0.0000	208.6508	208.6508	4.0000e-003	3.8300e-003	209.8907
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	447710	2.4100e-003	0.0220	0.0184	1.3000e-004		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003	0.0000	23.8915	23.8915	4.6000e-004	4.4000e-004	24.0335
General Office Building	384703	2.0700e-003	0.0189	0.0158	1.1000e-004		1.4300e-003	1.4300e-003		1.4300e-003	1.4300e-003	0.0000	20.5292	20.5292	3.9000e-004	3.8000e-004	20.6512
High Turnover (Sit Down Restaurant)	2.53703e+006	0.0137	0.1244	0.1045	7.5000e-004		9.4500e-003	9.4500e-003		9.4500e-003	9.4500e-003	0.0000	135.3854	135.3854	2.5900e-003	2.4800e-003	136.1899
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0424**	**0.3726**	**0.2270**	**2.3100e-003**		**0.0293**	**0.0293**		**0.0293**	**0.0293**	**0.0000**	**420.0567**	**420.0567**	**8.0500e-003**	**7.7100e-003**	**422.5528**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	269285	60.7065	3.5400e-003	7.3000e-004	61.0134
City Park	11971.8	2.6989	1.6000e-004	3.0000e-005	2.7125
Condo/Townhouse High Rise	1.89466e+006	427.1242	0.0249	5.1600e-003	429.2839
Enclosed Parking with Elevator	2.53712e+006	571.9572	0.0334	6.9000e-003	574.8492
Fast Food Restaurant w/o Drive Thru	87529.6	19.7323	1.1500e-003	2.4000e-004	19.8321
General Office Building	540384	121.8217	7.1100e-003	1.4700e-003	122.4377
High Turnover (Sit Down Restaurant)	496001	111.8162	6.5200e-003	1.3500e-003	112.3816
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**1,315.8569**	**0.0768**	**0.0159**	**1,322.5103**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	267988	60.4139	3.5300e-003	7.3000e-004	60.7194
City Park	11971.8	2.6989	1.6000e-004	3.0000e-005	2.7125
Condo/Townhouse High Rise	1.88609e+006	425.1922	0.0248	5.1300e-003	427.3421
Enclosed Parking with Elevator	2.34025e+006	527.5749	0.0308	6.3700e-003	530.2425
Fast Food Restaurant w/o Drive Thru	85664.1	19.3117	1.1300e-003	2.3000e-004	19.4094
General Office Building	518186	116.8175	6.8200e-003	1.4100e-003	117.4082
High Turnover (Sit Down Restaurant)	485430	109.4331	6.3900e-003	1.3200e-003	109.9864
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**1,261.4422**	**0.0736**	**0.0152**	**1,267.8204**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.1194	0.0615	5.3411	2.8000e-004		0.0296	0.0296		0.0296	0.0296	0.0000	8.7320	8.7320	8.4200e-003	0.0000	8.9424
Unmitigated	3.1194	0.0615	5.3411	2.8000e-004		0.0296	0.0296		0.0296	0.0296	0.0000	8.7320	8.7320	8.4200e-003	0.0000	8.9424

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2609					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.6972					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1613	0.0615	5.3411	2.8000e-004		0.0296	0.0296		0.0296	0.0296	0.0000	8.7320	8.7320	8.4200e-003	0.0000	8.9424
Total	**3.1194**	**0.0615**	**5.3411**	**2.8000e-004**		**0.0296**	**0.0296**		**0.0296**	**0.0296**	**0.0000**	**8.7320**	**8.7320**	**8.4200e-003**	**0.0000**	**8.9424**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2609					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.6972					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1613	0.0615	5.3411	2.8000e-004		0.0296	0.0296		0.0296	0.0296	0.0000	8.7320	8.7320	8.4200e-003	0.0000	8.9424
Total	**3.1194**	**0.0615**	**5.3411**	**2.8000e-004**		**0.0296**	**0.0296**		**0.0296**	**0.0296**	**0.0000**	**8.7320**	**8.7320**	**8.4200e-003**	**0.0000**	**8.9424**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	89.5244	0.8927	0.0219	118.3807
Unmitigated	89.5244	0.8927	0.0219	118.3807

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	2.73013 / 0	8.8801	0.0894	2.2000e-003	11.7707
City Park	0 / 0.17987	0.4505	3.0000e-005	1.0000e-005	0.4528
Condo/Townhouse High Rise	18.0269 / 0	58.6350	0.5905	0.0145	77.7210
Enclosed Parking with Elevator	0 / 0.089382	0.2239	1.0000e-005	0.0000	0.2250
Fast Food Restaurant w/o Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	1.57089 / 0	5.1096	0.0515	1.2600e-003	6.7727
High Turnover (Sit Down Restaurant)	4.92293 / 0	16.0126	0.1613	3.9600e-003	21.2247
Other Non-Asphalt Surfaces	0 / 0.084956	0.2128	1.0000e-005	0.0000	0.2139
User Defined Parking	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**89.5244**	**0.8927**	**0.0219**	**118.3807**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	2.73013 / 0	8.8801	0.0894	2.2000e-003	11.7707
City Park	0 / 0.17987	0.4505	3.0000e-005	1.0000e-005	0.4528
Condo/Townhouse High Rise	18.0269 / 0	58.6350	0.5905	0.0145	77.7210
Enclosed Parking with Elevator	0 / 0.089382	0.2239	1.0000e-005	0.0000	0.2250
Fast Food Restaurant w/o Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	1.57089 / 0	5.1096	0.0515	1.2600e-003	6.7727
High Turnover (Sit Down Restaurant)	4.92293 / 0	16.0126	0.1613	3.9600e-003	21.2247
Other Non-Asphalt Surfaces	0 / 0.084956	0.2128	1.0000e-005	0.0000	0.2139
User Defined Parking	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**89.5244**	**0.8927**	**0.0219**	**118.3807**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	52.4335	3.0987	0.0000	129.9019
Unmitigated	218.4731	12.9114	0.0000	541.2578

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	62.05	12.5956	0.7444	0.0000	31.2050
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	1002.16	203.4294	12.0223	0.0000	503.9878
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	1.81	0.3674	0.0217	0.0000	0.9103
General Office Building	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	10.25	2.0807	0.1230	0.0000	5.1547
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**218.4731**	**12.9114**	**0.0000**	**541.2578**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	14.892	3.0229	0.1787	0.0000	7.4892
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	240.518	48.8231	2.8854	0.0000	120.9571
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	0.4344	0.0882	5.2100e-003	0.0000	0.2185
General Office Building	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	2.46	0.4994	0.0295	0.0000	1.2371
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**52.4335**	**3.0987**	**0.0000**	**129.9019**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	92.0400	0.0000	0.0000	92.0400

11.2 Net New Trees

Species Class

	Number of Trees	Total CO2	CH4	N2O	CO2e
		MT			
Miscellaneous	130	92.0400	0.0000	0.0000	92.0400
Total		**92.0400**	**0.0000**	**0.0000**	**92.0400**

Hollywood Center - West - Operations

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	41.60	1000sqft	0.10	41,600.00	0
Enclosed Parking with Elevator	837.00	Space	0.50	432,956.00	0
Other Non-Asphalt Surfaces	22.45	1000sqft	0.10	22,450.00	0
User Defined Parking	5.16	User Defined Unit	0.22	5,163.00	0
City Park	0.79	Acre	0.10	34,205.00	0
Fast Food Restaurant w/o Drive Thru	1.98	1000sqft	0.10	1,983.00	0
High Turnover (Sit Down Restaurant)	11.24	1000sqft	0.10	11,237.00	0
Apartments Mid Rise	68.00	Dwelling Unit	0.20	67,705.00	194
Condo/Townhouse High Rise	449.00	Dwelling Unit	0.50	581,464.00	1284

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	497	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor: California Air Resources Board, Statewide Emission Factors (EF) For Use With AB 900 Projects (Jan 2017). Linearly adjusted to 44% RPS by 2024.

Land Use - see operational assumptions

Vehicle Trips - see operational assumptions. VMT and trips provided by traffic study.

Woodstoves - see operational assumptions

Energy Use - see operational assumptions. Lighting energy intensity of Parking Lot land use used as surrogate for public open space lighting energy intensity.

Water And Wastewater - See water demand spreadsheet and water supply assessment.

Solid Waste - see operational assumptions.

Sequestration - Miscellaneous trees; 130 trees on West Site.

Energy Mitigation - The Project LEED checklist states it will be 20% more efficient than 2010 Ashrae 90.1 Standard. Therefore, compared to 2016 Title 24 Building Energy Efficiency that is based off of 2013 Ashrae 90.1 Standards, the Project will be 11.6% more efficient.

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	44,513.00	45,115.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	133,538.00	135,344.00
tblArchitecturalCoating	ConstArea_Parking	27,634.00	26,786.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	438,189.00	437,603.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,314,567.00	1,312,808.00
tblAreaCoating	Area_Nonresidential_Exterior	44513	55738
tblAreaCoating	Area_Nonresidential_Interior	133538	167213
tblAreaCoating	Area_Parking	27634	26287
tblEnergyUse	LightingElect	0.00	0.35
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00

tblFireplaces	NumberGas	57.80	0.00
tblFireplaces	NumberGas	381.65	0.00
tblFireplaces	NumberNoFireplace	6.80	0.00
tblFireplaces	NumberNoFireplace	44.90	0.00
tblFireplaces	NumberWood	3.40	0.00
tblFireplaces	NumberWood	22.45	0.00
tblLandUse	LandUseSquareFeet	334,800.00	432,956.00
tblLandUse	LandUseSquareFeet	0.00	5,163.00
tblLandUse	LandUseSquareFeet	34,412.40	34,205.00
tblLandUse	LandUseSquareFeet	1,980.00	1,983.00
tblLandUse	LandUseSquareFeet	11,240.00	11,237.00
tblLandUse	LandUseSquareFeet	68,000.00	67,705.00
tblLandUse	LandUseSquareFeet	449,000.00	581,464.00
tblLandUse	LotAcreage	0.96	0.10
tblLandUse	LotAcreage	7.53	0.50
tblLandUse	LotAcreage	0.52	0.10
tblLandUse	LotAcreage	0.00	0.22
tblLandUse	LotAcreage	0.79	0.10
tblLandUse	LotAcreage	0.05	0.10
tblLandUse	LotAcreage	0.26	0.10
tblLandUse	LotAcreage	1.79	0.20
tblLandUse	LotAcreage	7.02	0.50
tblProjectCharacteristics	CO2IntensityFactor	1227.89	497
tblSequestration	NumberOfNewTrees	0.00	130.00
tblSolidWaste	SolidWasteGenerationRate	31.28	62.05
tblSolidWaste	SolidWasteGenerationRate	0.07	0.00
tblSolidWaste	SolidWasteGenerationRate	206.54	1,002.16
tblSolidWaste	SolidWasteGenerationRate	22.81	1.81
tblSolidWaste	SolidWasteGenerationRate	38.69	0.00
tblSolidWaste	SolidWasteGenerationRate	133.76	10.25

tblTripsAndVMT	VendorTripNumber	145.00	143.00
tblTripsAndVMT	WorkerTripNumber	599.00	593.00
tblTripsAndVMT	WorkerTripNumber	120.00	119.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	4.31	0.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	3.43	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	4.18	0.00
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	127.15	0.00
tblWater	IndoorWaterUseRate	4,430,473.74	2,730,126.00
tblWater	IndoorWaterUseRate	29,254,157.50	18,026,861.00
tblWater	IndoorWaterUseRate	600,996.75	0.00

tblWater	IndoorWaterUseRate	7,393,723.92	1,570,890.00
tblWater	IndoorWaterUseRate	3,411,718.93	4,922,930.00
tblWater	OutdoorWaterUseRate	2,793,124.75	0.00
tblWater	OutdoorWaterUseRate	941,270.27	179,870.00
tblWater	OutdoorWaterUseRate	18,442,838.43	0.00
tblWater	OutdoorWaterUseRate	0.00	89,382.00
tblWater	OutdoorWaterUseRate	38,361.49	0.00
tblWater	OutdoorWaterUseRate	4,531,637.24	0.00
tblWater	OutdoorWaterUseRate	217,769.29	0.00
tblWater	OutdoorWaterUseRate	0.00	84,956.00
tblWoodstoves	NumberCatalytic	3.40	0.00
tblWoodstoves	NumberCatalytic	22.45	0.00
tblWoodstoves	NumberNoncatalytic	3.40	0.00
tblWoodstoves	NumberNoncatalytic	22.45	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.1191	0.0615	5.3383	2.8000e-004		0.0296	0.0296		0.0296	0.0296	0.0000	8.7320	8.7320	8.4000e-003	0.0000	8.9420
Energy	0.0445	0.3903	0.2369	2.4300e-003		0.0307	0.0307		0.0307	0.0307	0.0000	1,756.0475	1,756.0475	0.0852	0.0240	1,765.3168
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	218.4731	0.0000	218.4731	12.9114	0.0000	541.2578
Water						0.0000	0.0000		0.0000	0.0000	8.6454	80.8790	89.5244	0.8927	0.0219	118.3807
Total	**3.1636**	**0.4518**	**5.5752**	**2.7100e-003**	**0.0000**	**0.0603**	**0.0603**	**0.0000**	**0.0603**	**0.0603**	**227.1185**	**1,845.6585**	**2,072.7770**	**13.8977**	**0.0459**	**2,433.8973**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.1191	0.0615	5.3383	2.8000e-004		0.0296	0.0296		0.0296	0.0296	0.0000	8.7320	8.7320	8.4000e-003	0.0000	8.9420
Energy	0.0424	0.3726	0.2270	2.3200e-003		0.0293	0.0293		0.0293	0.0293	0.0000	1,681.4988	1,681.4988	0.0817	0.0229	1,690.3733
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	52.4335	0.0000	52.4335	3.0987	0.0000	129.9019
Water						0.0000	0.0000		0.0000	0.0000	8.6454	80.8790	89.5244	0.8927	0.0219	118.3807
Total	**3.1615**	**0.4341**	**5.5653**	**2.6000e-003**	**0.0000**	**0.0589**	**0.0589**	**0.0000**	**0.0589**	**0.0589**	**61.0790**	**1,771.1098**	**1,832.1888**	**4.0815**	**0.0449**	**1,947.5978**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.06**	**3.92**	**0.18**	**4.06**	**0.00**	**2.32**	**2.32**	**0.00**	**2.32**	**2.32**	**73.11**	**4.04**	**11.61**	**70.63**	**2.24**	**19.98**

2.3 Vegetation

Vegetation

	CO2e
Category	MT
New Trees	92.0400
Total	**92.0400**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
User Defined Parking	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Fast Food Restaurant w/o Drive Thru	16.60	8.40	6.90	1.50	79.50	19.00	51	37	12
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down Restaurant)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Parking	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
City Park	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Condo/Townhouse High Rise	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Enclosed Parking with Elevator	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Fast Food Restaurant w/o Drive Thru	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
General Office Building	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
High Turnover (Sit Down Restaurant)	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Other Non-Asphalt Surfaces	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
User Defined Parking	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,261.4421	1,261.4421	0.0736	0.0152	1,267.8204
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,315.8569	1,315.8569	0.0768	0.0159	1,322.5103
NaturalGas Mitigated	0.0424	0.3726	0.2270	2.3200e-003		0.0293	0.0293		0.0293	0.0293	0.0000	420.0567	420.0567	8.0500e-003	7.7000e-003	422.5528
NaturalGas Unmitigated	0.0445	0.3903	0.2369	2.4300e-003		0.0307	0.0307		0.0307	0.0307	0.0000	440.1907	440.1907	8.4400e-003	8.0700e-003	442.8065

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	626752	3.3800e-003	0.0289	0.0123	1.8000e-004		2.3300e-003	2.3300e-003		2.3300e-003	2.3300e-003	0.0000	33.4459	33.4459	6.4000e-004	6.1000e-004	33.6446
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	4.13841e+006	0.0223	0.1907	0.0812	1.2200e-003		0.0154	0.0154		0.0154	0.0154	0.0000	220.8411	220.8411	4.2300e-003	4.0500e-003	222.1535
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	457597	2.4700e-003	0.0224	0.0188	1.3000e-004		1.7000e-003	1.7000e-003		1.7000e-003	1.7000e-003	0.0000	24.4191	24.4191	4.7000e-004	4.5000e-004	24.5642
General Office Building	433056	2.3400e-003	0.0212	0.0178	1.3000e-004		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003	0.0000	23.1095	23.1095	4.4000e-004	4.2000e-004	23.2469
High Turnover (Sit Down Restaurant)	2.59305e+006	0.0140	0.1271	0.1068	7.6000e-004		9.6600e-003	9.6600e-003		9.6600e-003	9.6600e-003	0.0000	138.3750	138.3750	2.6500e-003	2.5400e-003	139.1973
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0445**	**0.3903**	**0.2369**	**2.4200e-003**		**0.0307**	**0.0307**		**0.0307**	**0.0307**	**0.0000**	**440.1907**	**440.1907**	**8.4300e-003**	**8.0700e-003**	**442.8065**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	592156	3.1900e-003	0.0273	0.0116	1.7000e-004		2.2100e-003	2.2100e-003		2.2100e-003	2.2100e-003	0.0000	31.5997	31.5997	6.1000e-004	5.8000e-004	31.7875
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	3.90997e+006	0.0211	0.1802	0.0767	1.1500e-003		0.0146	0.0146		0.0146	0.0146	0.0000	208.6508	208.6508	4.0000e-003	3.8300e-003	209.8907
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	447710	2.4100e-003	0.0220	0.0184	1.3000e-004		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003	0.0000	23.8915	23.8915	4.6000e-004	4.4000e-004	24.0335
General Office Building	384703	2.0700e-003	0.0189	0.0158	1.1000e-004		1.4300e-003	1.4300e-003		1.4300e-003	1.4300e-003	0.0000	20.5292	20.5292	3.9000e-004	3.8000e-004	20.6512
High Turnover (Sit Down Restaurant)	2.53703e+006	0.0137	0.1244	0.1045	7.5000e-004		9.4500e-003	9.4500e-003		9.4500e-003	9.4500e-003	0.0000	135.3854	135.3854	2.5900e-003	2.4800e-003	136.1899
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0424**	**0.3726**	**0.2270**	**2.3100e-003**		**0.0293**	**0.0293**		**0.0293**	**0.0293**	**0.0000**	**420.0567**	**420.0567**	**8.0500e-003**	**7.7100e-003**	**422.5528**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	269285	60.7065	3.5400e-003	7.3000e-004	61.0134
City Park	11971.8	2.6989	1.6000e-004	3.0000e-005	2.7125
Condo/Townhouse High Rise	1.89466e+006	427.1242	0.0249	5.1600e-003	429.2839
Enclosed Parking with Elevator	2.53712e+006	571.9572	0.0334	6.9000e-003	574.8492
Fast Food Restaurant w/o Drive Thru	87529.6	19.7323	1.1500e-003	2.4000e-004	19.8321
General Office Building	540384	121.8217	7.1100e-003	1.4700e-003	122.4377
High Turnover (Sit Down Restaurant)	496001	111.8162	6.5200e-003	1.3500e-003	112.3816
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**1,315.8569**	**0.0768**	**0.0159**	**1,322.5103**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	267988	60.4139	3.5300e-003	7.3000e-004	60.7194
City Park	11971.8	2.6989	1.6000e-004	3.0000e-005	2.7125
Condo/Townhouse High Rise	1.88609e+006	425.1922	0.0248	5.1300e-003	427.3421
Enclosed Parking with Elevator	2.34025e+006	527.5749	0.0308	6.3700e-003	530.2425
Fast Food Restaurant w/o Drive Thru	85664.1	19.3117	1.1300e-003	2.3000e-004	19.4094
General Office Building	518186	116.8175	6.8200e-003	1.4100e-003	117.4082
High Turnover (Sit Down Restaurant)	485430	109.4331	6.3900e-003	1.3200e-003	109.9864
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**1,261.4422**	**0.0736**	**0.0152**	**1,267.8204**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.1191	0.0615	5.3383	2.8000e-004		0.0296	0.0296		0.0296	0.0296	0.0000	8.7320	8.7320	8.4000e-003	0.0000	8.9420
Unmitigated	3.1191	0.0615	5.3383	2.8000e-004		0.0296	0.0296		0.0296	0.0296	0.0000	8.7320	8.7320	8.4000e-003	0.0000	8.9420

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2609					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.6972					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1610	0.0615	5.3383	2.8000e-004		0.0296	0.0296		0.0296	0.0296	0.0000	8.7320	8.7320	8.4000e-003	0.0000	8.9420
Total	**3.1191**	**0.0615**	**5.3383**	**2.8000e-004**		**0.0296**	**0.0296**		**0.0296**	**0.0296**	**0.0000**	**8.7320**	**8.7320**	**8.4000e-003**	**0.0000**	**8.9420**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2609					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.6972					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1610	0.0615	5.3383	2.8000e-004		0.0296	0.0296		0.0296	0.0296	0.0000	8.7320	8.7320	8.4000e-003	0.0000	8.9420
Total	**3.1191**	**0.0615**	**5.3383**	**2.8000e-004**		**0.0296**	**0.0296**		**0.0296**	**0.0296**	**0.0000**	**8.7320**	**8.7320**	**8.4000e-003**	**0.0000**	**8.9420**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	89.5244	0.8927	0.0219	118.3807
Unmitigated	89.5244	0.8927	0.0219	118.3807

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	2.73013 / 0	8.8801	0.0894	2.2000e-003	11.7707
City Park	0 / 0.17987	0.4505	3.0000e-005	1.0000e-005	0.4528
Condo/Townhouse High Rise	18.0269 / 0	58.6350	0.5905	0.0145	77.7210
Enclosed Parking with Elevator	0 / 0.089382	0.2239	1.0000e-005	0.0000	0.2250
Fast Food Restaurant w/o Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	1.57089 / 0	5.1096	0.0515	1.2600e-003	6.7727
High Turnover (Sit Down Restaurant)	4.92293 / 0	16.0126	0.1613	3.9600e-003	21.2247
Other Non-Asphalt Surfaces	0 / 0.084956	0.2128	1.0000e-005	0.0000	0.2139
User Defined Parking	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**89.5244**	**0.8927**	**0.0219**	**118.3807**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	2.73013 / 0	8.8801	0.0894	2.2000e-003	11.7707
City Park	0 / 0.17987	0.4505	3.0000e-005	1.0000e-005	0.4528
Condo/Townhouse High Rise	18.0269 / 0	58.6350	0.5905	0.0145	77.7210
Enclosed Parking with Elevator	0 / 0.089382	0.2239	1.0000e-005	0.0000	0.2250
Fast Food Restaurant w/o Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	1.57089 / 0	5.1096	0.0515	1.2600e-003	6.7727
High Turnover (Sit Down Restaurant)	4.92293 / 0	16.0126	0.1613	3.9600e-003	21.2247
Other Non-Asphalt Surfaces	0 / 0.084956	0.2128	1.0000e-005	0.0000	0.2139
User Defined Parking	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**89.5244**	**0.8927**	**0.0219**	**118.3807**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	52.4335	3.0987	0.0000	129.9019
Unmitigated	218.4731	12.9114	0.0000	541.2578

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	62.05	12.5956	0.7444	0.0000	31.2050
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	1002.16	203.4294	12.0223	0.0000	503.9878
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	1.81	0.3674	0.0217	0.0000	0.9103
General Office Building	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	10.25	2.0807	0.1230	0.0000	5.1547
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**218.4731**	**12.9114**	**0.0000**	**541.2578**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	14.892	3.0229	0.1787	0.0000	7.4892
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	240.518	48.8231	2.8854	0.0000	120.9571
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	0.4344	0.0882	5.2100e-003	0.0000	0.2185
General Office Building	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	2.46	0.4994	0.0295	0.0000	1.2371
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**52.4335**	**3.0987**	**0.0000**	**129.9019**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	92.0400	0.0000	0.0000	92.0400

11.2 Net New Trees

Species Class

	Number of Trees	Total CO2	CH4	N2O	CO2e
		MT			
Miscellaneous	130	92.0400	0.0000	0.0000	92.0400
Total		**92.0400**	**0.0000**	**0.0000**	**92.0400**

Hollywood Center - West - Operations

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	41.60	1000sqft	0.10	41,600.00	0
Enclosed Parking with Elevator	837.00	Space	0.50	432,956.00	0
Other Non-Asphalt Surfaces	22.45	1000sqft	0.10	22,450.00	0
User Defined Parking	5.16	User Defined Unit	0.22	5,163.00	0
City Park	0.79	Acre	0.10	34,205.00	0
Fast Food Restaurant w/o Drive Thru	1.98	1000sqft	0.10	1,983.00	0
High Turnover (Sit Down Restaurant)	11.24	1000sqft	0.10	11,237.00	0
Apartments Mid Rise	68.00	Dwelling Unit	0.20	67,705.00	194
Condo/Townhouse High Rise	449.00	Dwelling Unit	0.50	581,464.00	1284

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2027
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	444	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor: California Air Resources Board, Statewide Emission Factors (EF) For Use With AB 900 Projects (Jan 2017). Linearly adjusted to 50% RPS by 2027.

Land Use - see operational assumptions

Vehicle Trips - see operational assumptions. VMT and trips provided by traffic study.

Woodstoves - see operational assumptions

Energy Use - see operational assumptions. Lighting energy intensity of Parking Lot land use used as surrogate for public open space lighting energy intensity.

Water And Wastewater - See water demand spreadsheet and water supply assessment.

Solid Waste - see operational assumptions.

Sequestration - Miscellaneous trees; 130 trees on West Site.

Energy Mitigation - The Project LEED checklist states it will be 20% more efficient than 2010 Ashrae 90.1 Standard. Therefore, compared to 2016 Title 24 Building Energy Efficiency that is based off of 2013 Ashrae 90.1 Standards, the Project will be 11.6% more efficient.

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	44,513.00	45,115.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	133,538.00	135,344.00
tblArchitecturalCoating	ConstArea_Parking	27,634.00	26,786.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	438,189.00	437,603.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,314,567.00	1,312,808.00
tblAreaCoating	Area_Nonresidential_Exterior	44513	55738
tblAreaCoating	Area_Nonresidential_Interior	133538	167213
tblAreaCoating	Area_Parking	27634	26287
tblEnergyUse	LightingElect	0.00	0.35
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00

tblFireplaces	NumberGas	57.80	0.00
tblFireplaces	NumberGas	381.65	0.00
tblFireplaces	NumberNoFireplace	6.80	0.00
tblFireplaces	NumberNoFireplace	44.90	0.00
tblFireplaces	NumberWood	3.40	0.00
tblFireplaces	NumberWood	22.45	0.00
tblLandUse	LandUseSquareFeet	334,800.00	432,956.00
tblLandUse	LandUseSquareFeet	0.00	5,163.00
tblLandUse	LandUseSquareFeet	34,412.40	34,205.00
tblLandUse	LandUseSquareFeet	1,980.00	1,983.00
tblLandUse	LandUseSquareFeet	11,240.00	11,237.00
tblLandUse	LandUseSquareFeet	68,000.00	67,705.00
tblLandUse	LandUseSquareFeet	449,000.00	581,464.00
tblLandUse	LotAcreage	0.96	0.10
tblLandUse	LotAcreage	7.53	0.50
tblLandUse	LotAcreage	0.52	0.10
tblLandUse	LotAcreage	0.00	0.22
tblLandUse	LotAcreage	0.79	0.10
tblLandUse	LotAcreage	0.05	0.10
tblLandUse	LotAcreage	0.26	0.10
tblLandUse	LotAcreage	1.79	0.20
tblLandUse	LotAcreage	7.02	0.50
tblProjectCharacteristics	CO2IntensityFactor	1227.89	444
tblSequestration	NumberOfNewTrees	0.00	130.00
tblSolidWaste	SolidWasteGenerationRate	31.28	62.05
tblSolidWaste	SolidWasteGenerationRate	0.07	0.00
tblSolidWaste	SolidWasteGenerationRate	206.54	1,002.16
tblSolidWaste	SolidWasteGenerationRate	22.81	1.81
tblSolidWaste	SolidWasteGenerationRate	38.69	0.00
tblSolidWaste	SolidWasteGenerationRate	133.76	10.25

tblTripsAndVMT	VendorTripNumber	145.00	143.00
tblTripsAndVMT	WorkerTripNumber	599.00	593.00
tblTripsAndVMT	WorkerTripNumber	120.00	119.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	4.31	0.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	3.43	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	4.18	0.00
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	127.15	0.00
tblWater	IndoorWaterUseRate	4,430,473.74	2,730,126.00
tblWater	IndoorWaterUseRate	29,254,157.50	18,026,861.00
tblWater	IndoorWaterUseRate	600,996.75	0.00

tblWater	IndoorWaterUseRate	7,393,723.92	1,570,890.00
tblWater	IndoorWaterUseRate	3,411,718.93	4,922,930.00
tblWater	OutdoorWaterUseRate	2,793,124.75	0.00
tblWater	OutdoorWaterUseRate	941,270.27	179,870.00
tblWater	OutdoorWaterUseRate	18,442,838.43	0.00
tblWater	OutdoorWaterUseRate	0.00	89,382.00
tblWater	OutdoorWaterUseRate	38,361.49	0.00
tblWater	OutdoorWaterUseRate	4,531,637.24	0.00
tblWater	OutdoorWaterUseRate	217,769.29	0.00
tblWater	OutdoorWaterUseRate	0.00	84,956.00
tblWoodstoves	NumberCatalytic	3.40	0.00
tblWoodstoves	NumberCatalytic	22.45	0.00
tblWoodstoves	NumberNoncatalytic	3.40	0.00
tblWoodstoves	NumberNoncatalytic	22.45	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.1191	0.0615	5.3383	2.8000e-004		0.0296	0.0296		0.0296	0.0296	0.0000	8.7320	8.7320	8.4000e-003	0.0000	8.9420
Energy	0.0445	0.3903	0.2369	2.4300e-003		0.0307	0.0307		0.0307	0.0307	0.0000	1,615.7248	1,615.7248	0.0852	0.0240	1,624.9940
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	218.4731	0.0000	218.4731	12.9114	0.0000	541.2578
Water						0.0000	0.0000		0.0000	0.0000	8.6454	72.2541	80.8995	0.8927	0.0219	109.7558
Total	**3.1636**	**0.4518**	**5.5752**	**2.7100e-003**	**0.0000**	**0.0603**	**0.0603**	**0.0000**	**0.0603**	**0.0603**	**227.1185**	**1,696.7108**	**1,923.8293**	**13.8977**	**0.0459**	**2,284.9496**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.1191	0.0615	5.3383	2.8000e-004		0.0296	0.0296		0.0296	0.0296	0.0000	8.7320	8.7320	8.4000e-003	0.0000	8.9420
Energy	0.0424	0.3726	0.2270	2.3200e-003		0.0293	0.0293		0.0293	0.0293	0.0000	1,546.9788	1,546.9788	0.0817	0.0229	1,555.8533
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	52.4335	0.0000	52.4335	3.0987	0.0000	129.9019
Water						0.0000	0.0000		0.0000	0.0000	8.6454	72.2541	80.8995	0.8927	0.0219	109.7558
Total	**3.1615**	**0.4341**	**5.5653**	**2.6000e-003**	**0.0000**	**0.0589**	**0.0589**	**0.0000**	**0.0589**	**0.0589**	**61.0790**	**1,627.9649**	**1,689.0439**	**4.0815**	**0.0449**	**1,804.4529**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.06**	**3.92**	**0.18**	**4.06**	**0.00**	**2.32**	**2.32**	**0.00**	**2.32**	**2.32**	**73.11**	**4.05**	**12.20**	**70.63**	**2.24**	**21.03**

2.3 Vegetation

Vegetation

	CO2e
Category	MT
New Trees	92.0400
Total	**92.0400**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
User Defined Parking	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Fast Food Restaurant w/o Drive Thru	16.60	8.40	6.90	1.50	79.50	19.00	51	37	12
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down Restaurant)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Parking	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
City Park	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Condo/Townhouse High Rise	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Enclosed Parking with Elevator	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Fast Food Restaurant w/o Drive Thru	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
General Office Building	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
High Turnover (Sit Down Restaurant)	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Other Non-Asphalt Surfaces	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
User Defined Parking	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,126.9222	1,126.9222	0.0736	0.0152	1,133.3004
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,175.5341	1,175.5341	0.0768	0.0159	1,182.1875
NaturalGas Mitigated	0.0424	0.3726	0.2270	2.3200e-003		0.0293	0.0293		0.0293	0.0293	0.0000	420.0567	420.0567	8.0500e-003	7.7000e-003	422.5528
NaturalGas Unmitigated	0.0445	0.3903	0.2369	2.4300e-003		0.0307	0.0307		0.0307	0.0307	0.0000	440.1907	440.1907	8.4400e-003	8.0700e-003	442.8065

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	626752	3.3800e-003	0.0289	0.0123	1.8000e-004		2.3300e-003	2.3300e-003		2.3300e-003	2.3300e-003	0.0000	33.4459	33.4459	6.4000e-004	6.1000e-004	33.6446
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	4.13841e+006	0.0223	0.1907	0.0812	1.2200e-003		0.0154	0.0154		0.0154	0.0154	0.0000	220.8411	220.8411	4.2300e-003	4.0500e-003	222.1535
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	457597	2.4700e-003	0.0224	0.0188	1.3000e-004		1.7000e-003	1.7000e-003		1.7000e-003	1.7000e-003	0.0000	24.4191	24.4191	4.7000e-004	4.5000e-004	24.5642
General Office Building	433056	2.3400e-003	0.0212	0.0178	1.3000e-004		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003	0.0000	23.1095	23.1095	4.4000e-004	4.2000e-004	23.2469
High Turnover (Sit Down Restaurant)	2.59305e+006	0.0140	0.1271	0.1068	7.6000e-004		9.6600e-003	9.6600e-003		9.6600e-003	9.6600e-003	0.0000	138.3750	138.3750	2.6500e-003	2.5400e-003	139.1973
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0445**	**0.3903**	**0.2369**	**2.4200e-003**		**0.0307**	**0.0307**		**0.0307**	**0.0307**	**0.0000**	**440.1907**	**440.1907**	**8.4300e-003**	**8.0700e-003**	**442.8065**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	592156	3.1900e-003	0.0273	0.0116	1.7000e-004		2.2100e-003	2.2100e-003		2.2100e-003	2.2100e-003	0.0000	31.5997	31.5997	6.1000e-004	5.8000e-004	31.7875
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	3.90997e+006	0.0211	0.1802	0.0767	1.1500e-003		0.0146	0.0146		0.0146	0.0146	0.0000	208.6508	208.6508	4.0000e-003	3.8300e-003	209.8907
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	447710	2.4100e-003	0.0220	0.0184	1.3000e-004		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003	0.0000	23.8915	23.8915	4.6000e-004	4.4000e-004	24.0335
General Office Building	384703	2.0700e-003	0.0189	0.0158	1.1000e-004		1.4300e-003	1.4300e-003		1.4300e-003	1.4300e-003	0.0000	20.5292	20.5292	3.9000e-004	3.8000e-004	20.6512
High Turnover (Sit Down Restaurant)	2.53703e+006	0.0137	0.1244	0.1045	7.5000e-004		9.4500e-003	9.4500e-003		9.4500e-003	9.4500e-003	0.0000	135.3854	135.3854	2.5900e-003	2.4800e-003	136.1899
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0424**	**0.3726**	**0.2270**	**2.3100e-003**		**0.0293**	**0.0293**		**0.0293**	**0.0293**	**0.0000**	**420.0567**	**420.0567**	**8.0500e-003**	**7.7100e-003**	**422.5528**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	269285	54.2327	3.5400e-003	7.3000e-004	54.5397
City Park	11971.8	2.4111	1.6000e-004	3.0000e-005	2.4247
Condo/Townhouse High Rise	1.89466e+006	381.5757	0.0249	5.1600e-003	383.7354
Enclosed Parking with Elevator	2.53712e+006	510.9638	0.0334	6.9000e-003	513.8558
Fast Food Restaurant w/o Drive Thru	87529.6	17.6280	1.1500e-003	2.4000e-004	17.7278
General Office Building	540384	108.8306	7.1100e-003	1.4700e-003	109.4466
High Turnover (Sit Down Restaurant)	496001	99.8922	6.5200e-003	1.3500e-003	100.4575
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**1,175.5341**	**0.0768**	**0.0159**	**1,182.1875**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	267988	53.9714	3.5300e-003	7.3000e-004	54.2768
City Park	11971.8	2.4111	1.6000e-004	3.0000e-005	2.4247
Condo/Townhouse High Rise	1.88609e+006	379.8498	0.0248	5.1300e-003	381.9997
Enclosed Parking with Elevator	2.34025e+006	471.3144	0.0308	6.3700e-003	473.9820
Fast Food Restaurant w/o Drive Thru	85664.1	17.2523	1.1300e-003	2.3000e-004	17.3500
General Office Building	518186	104.3601	6.8200e-003	1.4100e-003	104.9508
High Turnover (Sit Down Restaurant)	485430	97.7632	6.3900e-003	1.3200e-003	98.3165
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**1,126.9222**	**0.0736**	**0.0152**	**1,133.3004**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.1191	0.0615	5.3383	2.8000e-004		0.0296	0.0296		0.0296	0.0296	0.0000	8.7320	8.7320	8.4000e-003	0.0000	8.9420
Unmitigated	3.1191	0.0615	5.3383	2.8000e-004		0.0296	0.0296		0.0296	0.0296	0.0000	8.7320	8.7320	8.4000e-003	0.0000	8.9420

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2609					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.6972					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1610	0.0615	5.3383	2.8000e-004		0.0296	0.0296		0.0296	0.0296	0.0000	8.7320	8.7320	8.4000e-003	0.0000	8.9420
Total	**3.1191**	**0.0615**	**5.3383**	**2.8000e-004**		**0.0296**	**0.0296**		**0.0296**	**0.0296**	**0.0000**	**8.7320**	**8.7320**	**8.4000e-003**	**0.0000**	**8.9420**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2609					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.6972					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1610	0.0615	5.3383	2.8000e-004		0.0296	0.0296		0.0296	0.0296	0.0000	8.7320	8.7320	8.4000e-003	0.0000	8.9420
Total	**3.1191**	**0.0615**	**5.3383**	**2.8000e-004**		**0.0296**	**0.0296**		**0.0296**	**0.0296**	**0.0000**	**8.7320**	**8.7320**	**8.4000e-003**	**0.0000**	**8.9420**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	80.8995	0.8927	0.0219	109.7558
Unmitigated	80.8995	0.8927	0.0219	109.7558

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	2.73013 / 0	8.0255	0.0894	2.2000e-003	10.9161
City Park	0 / 0.17987	0.4025	3.0000e-005	1.0000e-005	0.4047
Condo/Townhouse High Rise	18.0269 / 0	52.9921	0.5905	0.0145	72.0780
Enclosed Parking with Elevator	0 / 0.089382	0.2000	1.0000e-005	0.0000	0.2011
Fast Food Restaurant w/o Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	1.57089 / 0	4.6178	0.0515	1.2600e-003	6.2810
High Turnover (Sit Down Restaurant)	4.92293 / 0	14.4715	0.1613	3.9600e-003	19.6837
Other Non-Asphalt Surfaces	0 / 0.084956	0.1901	1.0000e-005	0.0000	0.1912
User Defined Parking	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**80.8995**	**0.8927**	**0.0219**	**109.7558**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	2.73013 / 0	8.0255	0.0894	2.2000e-003	10.9161
City Park	0 / 0.17987	0.4025	3.0000e-005	1.0000e-005	0.4047
Condo/Townhouse High Rise	18.0269 / 0	52.9921	0.5905	0.0145	72.0780
Enclosed Parking with Elevator	0 / 0.089382	0.2000	1.0000e-005	0.0000	0.2011
Fast Food Restaurant w/o Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	1.57089 / 0	4.6178	0.0515	1.2600e-003	6.2810
High Turnover (Sit Down Restaurant)	4.92293 / 0	14.4715	0.1613	3.9600e-003	19.6837
Other Non-Asphalt Surfaces	0 / 0.084956	0.1901	1.0000e-005	0.0000	0.1912
User Defined Parking	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**80.8995**	**0.8927**	**0.0219**	**109.7558**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	52.4335	3.0987	0.0000	129.9019
Unmitigated	218.4731	12.9114	0.0000	541.2578

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	62.05	12.5956	0.7444	0.0000	31.2050
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	1002.16	203.4294	12.0223	0.0000	503.9878
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	1.81	0.3674	0.0217	0.0000	0.9103
General Office Building	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	10.25	2.0807	0.1230	0.0000	5.1547
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**218.4731**	**12.9114**	**0.0000**	**541.2578**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	14.892	3.0229	0.1787	0.0000	7.4892
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	240.518	48.8231	2.8854	0.0000	120.9571
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	0.4344	0.0882	5.2100e-003	0.0000	0.2185
General Office Building	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	2.46	0.4994	0.0295	0.0000	1.2371
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**52.4335**	**3.0987**	**0.0000**	**129.9019**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	92.0400	0.0000	0.0000	92.0400

11.2 Net New Trees

Species Class

	Number of Trees	Total CO2	CH4	N2O	CO2e
		MT			
Miscellaneous	130	92.0400	0.0000	0.0000	92.0400
Total		**92.0400**	**0.0000**	**0.0000**	**92.0400**

Hollywood Center - East Site (All Res) - Operation

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	32.66	1000sqft	0.10	32,665.00	0
Enclosed Parking with Elevator	684.00	Space	0.80	353,824.00	0
Other Non-Asphalt Surfaces	21.15	1000sqft	0.10	21,150.00	0
User Defined Parking	1.63	User Defined Unit	0.14	1,627.00	0
City Park	0.82	Acre	0.10	35,300.00	0
Fast Food Restaurant w/o Drive Thru	2.73	1000sqft	0.10	2,732.00	0
High Turnover (Sit Down Restaurant)	15.48	1000sqft	0.10	15,482.00	0
Apartments Mid Rise	65.00	Dwelling Unit	0.30	67,149.00	186
Condo/Townhouse High Rise	423.00	Dwelling Unit	0.95	575,100.00	1210

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	497	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor: California Air Resources Board, Statewide Emission Factors (EF) For Use With AB 900 Projects (Jan 2017). Linearly adjusted to 44% RPS by 2024.
Land Use - see operational assumptions

Vehicle Trips - see operational assumptions. VMT and trips provided by traffic study.

Woodstoves - see operational assumptions

Energy Use - see operational assumptions. Lighting energy intensity of Parking Lot land use used as surrogate for public open space lighting energy intensity.
Water And Wastewater - see water demand spreadsheet and water supply assessment

Solid Waste - see operational assumptions

Sequestration - Miscellaneous trees; 122 trees on East Site.

Energy Mitigation - The Project LEED checklist states it will be 20% more efficient than 2010 Ashrae 90.1 Standard. Therefore, compared to 2016 Title 24 Building Energy Efficiency that is based off of 2013 Ashrae 90.1 Standards, the Project will be 11.6% more efficient.
Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	43,090.00	43,340.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	129,269.00	130,019.00
tblArchitecturalCoating	ConstArea_Parking	22,596.00	22,318.00
tblAreaCoating	Area_Nonresidential_Exterior	43090	53665
tblAreaCoating	Area_Nonresidential_Interior	129269	160994
tblAreaCoating	Area_Parking	22596	21327
tblConstructionPhase	NumDays	220.00	200.00
tblConstructionPhase	NumDays	6.00	4.00
tblConstructionPhase	NumDays	3.00	2.00
tblEnergyUse	LightingElect	0.00	0.35
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00

tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	55.25	0.00
tblFireplaces	NumberGas	359.55	0.00
tblFireplaces	NumberNoFireplace	6.50	0.00
tblFireplaces	NumberNoFireplace	42.30	0.00
tblFireplaces	NumberWood	3.25	0.00
tblFireplaces	NumberWood	21.15	0.00
tblLandUse	LandUseSquareFeet	32,660.00	32,665.00
tblLandUse	LandUseSquareFeet	273,600.00	353,824.00
tblLandUse	LandUseSquareFeet	0.00	1,627.00
tblLandUse	LandUseSquareFeet	35,719.20	35,300.00
tblLandUse	LandUseSquareFeet	2,730.00	2,732.00
tblLandUse	LandUseSquareFeet	15,480.00	15,482.00
tblLandUse	LandUseSquareFeet	65,000.00	67,149.00
tblLandUse	LandUseSquareFeet	423,000.00	575,100.00
tblLandUse	LotAcreage	0.75	0.10
tblLandUse	LotAcreage	6.16	0.80
tblLandUse	LotAcreage	0.49	0.10
tblLandUse	LotAcreage	0.00	0.14
tblLandUse	LotAcreage	0.82	0.10
tblLandUse	LotAcreage	0.06	0.10
tblLandUse	LotAcreage	0.36	0.10
tblLandUse	LotAcreage	1.71	0.30
tblLandUse	LotAcreage	6.61	0.95
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00

tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	497
tblSequestration	NumberOfNewTrees	0.00	122.00
tblSolidWaste	SolidWasteGenerationRate	29.90	59.30
tblSolidWaste	SolidWasteGenerationRate	0.07	155.90
tblSolidWaste	SolidWasteGenerationRate	194.58	944.10
tblSolidWaste	SolidWasteGenerationRate	31.45	2.50
tblSolidWaste	SolidWasteGenerationRate	30.37	0.00
tblSolidWaste	SolidWasteGenerationRate	184.21	14.10
tblTripsAndVMT	VendorTripNumber	128.00	127.00
tblTripsAndVMT	WorkerTripNumber	542.00	541.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
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tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
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tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CW_TL	16.60	0.00

tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
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tblVehicleTrips	HS_TL	5.90	0.00
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tblVehicleTrips	ST_TR	4.31	0.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	3.43	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	4.18	0.00
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	127.15	0.00

tblWater	IndoorWaterUseRate	4,235,011.67	2,609,679.00
tblWater	IndoorWaterUseRate	27,560,152.84	16,982,989.00
tblWater	IndoorWaterUseRate	828,647.03	0.00
tblWater	IndoorWaterUseRate	5,804,784.21	1,159,675.00
tblWater	IndoorWaterUseRate	4,698,701.87	6,782,620.00
tblWater	OutdoorWaterUseRate	2,669,898.66	0.00
tblWater	OutdoorWaterUseRate	977,014.71	265,430.00
tblWater	OutdoorWaterUseRate	17,374,878.96	0.00
tblWater	OutdoorWaterUseRate	0.00	73,043.00
tblWater	OutdoorWaterUseRate	52,892.36	0.00
tblWater	OutdoorWaterUseRate	3,557,770.97	0.00
tblWater	OutdoorWaterUseRate	299,917.14	0.00
tblWater	OutdoorWaterUseRate	0.00	59,949.00
tblWoodstoves	NumberCatalytic	3.25	0.00
tblWoodstoves	NumberCatalytic	21.15	0.00
tblWoodstoves	NumberNoncatalytic	3.25	0.00
tblWoodstoves	NumberNoncatalytic	21.15	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.0640	0.0580	5.0375	2.7000e-004		0.0279	0.0279		0.0279	0.0279	0.0000	8.2395	8.2395	7.9200e-003	0.0000	8.4375
Energy	0.0488	0.4300	0.2753	2.6600e-003		0.0337	0.0337		0.0337	0.0337	0.0000	1,689.9836	1,689.9836	0.0797	0.0234	1,698.9563
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	238.6971	0.0000	238.6971	14.1066	0.0000	591.3619
Water						0.0000	0.0000		0.0000	0.0000	8.7356	81.8239	90.5594	0.9020	0.0222	119.7171
Total	**3.1127**	**0.4880**	**5.3127**	**2.9300e-003**	**0.0000**	**0.0616**	**0.0616**	**0.0000**	**0.0616**	**0.0616**	**247.4326**	**1,780.0469**	**2,027.4796**	**15.0962**	**0.0456**	**2,418.4728**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.0640	0.0580	5.0375	2.7000e-004		0.0279	0.0279		0.0279	0.0279	0.0000	8.2395	8.2395	7.9200e-003	0.0000	8.4375
Energy	0.0467	0.4122	0.2651	2.5500e-003		0.0323	0.0323		0.0323	0.0323	0.0000	1,623.7001	1,623.7001	0.0766	0.0225	1,632.3197
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	57.2873	0.0000	57.2873	3.3856	0.0000	141.9269
Water						0.0000	0.0000		0.0000	0.0000	8.7356	81.8239	90.5594	0.9020	0.0222	119.7171
Total	**3.1107**	**0.4702**	**5.3026**	**2.8200e-003**	**0.0000**	**0.0602**	**0.0602**	**0.0000**	**0.0602**	**0.0602**	**66.0229**	**1,713.7634**	**1,779.7862**	**4.3721**	**0.0447**	**1,902.4012**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.07**	**3.64**	**0.19**	**3.75**	**0.00**	**2.27**	**2.27**	**0.00**	**2.27**	**2.27**	**73.32**	**3.72**	**12.22**	**71.04**	**2.02**	**21.34**

2.3 Vegetation

Vegetation

	CO2e
Category	MT
New Trees	86.3760
Total	**86.3760**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
User Defined Parking	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
City Park	0.00	0.00	0.00	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00	1.50	79.50	19.00	51	37	12
General Office Building	0.00	0.00	0.00	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00	8.50	72.50	19.00	37	20	43
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
User Defined Parking	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
City Park	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Condo/Townhouse High Rise	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Enclosed Parking with Elevator	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Fast Food Restaurant w/o Drive Thru	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
General Office Building	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
High Turnover (Sit Down Restaurant)	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Other Non-Asphalt Surfaces	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
User Defined Parking	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,161.3605	1,161.3605	0.0678	0.0140	1,167.2327
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,207.5229	1,207.5229	0.0705	0.0146	1,213.6286
NaturalGas Mitigated	0.0467	0.4122	0.2651	2.5500e-003		0.0323	0.0323		0.0323	0.0323	0.0000	462.3396	462.3396	8.8600e-003	8.4800e-003	465.0870
NaturalGas Unmitigated	0.0488	0.4300	0.2753	2.6600e-003		0.0337	0.0337		0.0337	0.0337	0.0000	482.4607	482.4607	9.2500e-003	8.8500e-003	485.3277

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	599101	3.2300e-003	0.0276	0.0118	1.8000e-004		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	31.9703	31.9703	6.1000e-004	5.9000e-004	32.1603
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	3.89877e+006	0.0210	0.1797	0.0765	1.1500e-003		0.0145	0.0145		0.0145	0.0145	0.0000	208.0530	208.0530	3.9900e-003	3.8100e-003	209.2893
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	630436	3.4000e-003	0.0309	0.0260	1.9000e-004		2.3500e-003	2.3500e-003		2.3500e-003	2.3500e-003	0.0000	33.6425	33.6425	6.4000e-004	6.2000e-004	33.8424
General Office Building	340043	1.8300e-003	0.0167	0.0140	1.0000e-004		1.2700e-003	1.2700e-003		1.2700e-003	1.2700e-003	0.0000	18.1460	18.1460	3.5000e-004	3.3000e-004	18.2538
High Turnover (Sit Down Restaurant)	3.57263e+006	0.0193	0.1751	0.1471	1.0500e-003		0.0133	0.0133		0.0133	0.0133	0.0000	190.6490	190.6490	3.6500e-003	3.5000e-003	191.7819
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0487**	**0.4300**	**0.2753**	**2.6700e-003**		**0.0337**	**0.0337**		**0.0337**	**0.0337**	**0.0000**	**482.4607**	**482.4607**	**9.2400e-003**	**8.8500e-003**	**485.3277**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	566031	3.0500e-003	0.0261	0.0111	1.7000e-004		2.1100e-003	2.1100e-003		2.1100e-003	2.1100e-003	0.0000	30.2056	30.2056	5.8000e-004	5.5000e-004	30.3851
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	3.68356e+006	0.0199	0.1697	0.0722	1.0800e-003		0.0137	0.0137		0.0137	0.0137	0.0000	196.5686	196.5686	3.7700e-003	3.6000e-003	197.7367
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	616815	3.3300e-003	0.0302	0.0254	1.8000e-004		2.3000e-003	2.3000e-003		2.3000e-003	2.3000e-003	0.0000	32.9156	32.9156	6.3000e-004	6.0000e-004	33.1112
General Office Building	302075	1.6300e-003	0.0148	0.0124	9.0000e-005		1.1300e-003	1.1300e-003		1.1300e-003	1.1300e-003	0.0000	16.1199	16.1199	3.1000e-004	3.0000e-004	16.2157
High Turnover (Sit Down Restaurant)	3.49544e+006	0.0189	0.1714	0.1439	1.0300e-003		0.0130	0.0130		0.0130	0.0130	0.0000	186.5299	186.5299	3.5800e-003	3.4200e-003	187.6383
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0467**	**0.4122**	**0.2651**	**2.5500e-003**		**0.0323**	**0.0323**		**0.0323**	**0.0323**	**0.0000**	**462.3396**	**462.3396**	**8.8700e-003**	**8.4700e-003**	**465.0870**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	257405	58.0283	3.3900e-003	7.0000e-004	58.3217
City Park	12355	2.7853	1.6000e-004	3.0000e-005	2.7993
Condo/Townhouse High Rise	1.78495e+006	402.3909	0.0235	4.8600e-003	404.4256
Enclosed Parking with Elevator	2.07341e+006	467.4197	0.0273	5.6400e-003	469.7832
Fast Food Restaurant w/o Drive Thru	120590	27.1854	1.5900e-003	3.3000e-004	27.3228
General Office Building	424318	95.6564	5.5800e-003	1.1500e-003	96.1401
High Turnover (Sit Down Restaurant)	683375	154.0570	8.9900e-003	1.8600e-003	154.8360
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**1,207.5229**	**0.0705**	**0.0146**	**1,213.6286**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	256165	57.7486	3.3700e-003	7.0000e-004	58.0406
City Park	12355	2.7853	1.6000e-004	3.0000e-005	2.7993
Condo/Townhouse High Rise	1.77688e+006	400.5709	0.0234	4.8400e-003	402.5963
Enclosed Parking with Elevator	1.91252e+006	431.1492	0.0252	5.2100e-003	433.3293
Fast Food Restaurant w/o Drive Thru	118020	26.6060	1.5500e-003	3.2000e-004	26.7405
General Office Building	406888	91.7270	5.3500e-003	1.1100e-003	92.1908
High Turnover (Sit Down Restaurant)	668811	150.7736	8.8000e-003	1.8200e-003	151.5360
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**1,161.3605**	**0.0678**	**0.0140**	**1,167.2327**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.0640	0.0580	5.0375	2.7000e-004		0.0279	0.0279		0.0279	0.0279	0.0000	8.2395	8.2395	7.9200e-003	0.0000	8.4375
Unmitigated	3.0640	0.0580	5.0375	2.7000e-004		0.0279	0.0279		0.0279	0.0279	0.0000	8.2395	8.2395	7.9200e-003	0.0000	8.4375

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2556					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.6565					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1519	0.0580	5.0375	2.7000e-004		0.0279	0.0279		0.0279	0.0279	0.0000	8.2395	8.2395	7.9200e-003	0.0000	8.4375
Total	**3.0640**	**0.0580**	**5.0375**	**2.7000e-004**		**0.0279**	**0.0279**		**0.0279**	**0.0279**	**0.0000**	**8.2395**	**8.2395**	**7.9200e-003**	**0.0000**	**8.4375**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2556					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.6565					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1519	0.0580	5.0375	2.7000e-004		0.0279	0.0279		0.0279	0.0279	0.0000	8.2395	8.2395	7.9200e-003	0.0000	8.4375
Total	**3.0640**	**0.0580**	**5.0375**	**2.7000e-004**		**0.0279**	**0.0279**		**0.0279**	**0.0279**	**0.0000**	**8.2395**	**8.2395**	**7.9200e-003**	**0.0000**	**8.4375**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	90.5594	0.9020	0.0222	119.7171
Unmitigated	90.5594	0.9020	0.0222	119.7171

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	2.60968 / 0	8.4884	0.0855	2.1000e-003	11.2514
City Park	0 / 0.26543	0.6648	4.0000e-005	1.0000e-005	0.6682
Condo/Townhouse High Rise	16.983 / 0	55.2397	0.5563	0.0137	73.2204
Enclosed Parking with Elevator	0 / 0.073043	0.1829	1.0000e-005	0.0000	0.1839
Fast Food Restaurant w/o Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	1.15968 / 0	3.7720	0.0380	9.3000e-004	4.9998
High Turnover (Sit Down Restaurant)	6.78262 / 0	22.0615	0.2222	5.4600e-003	29.2426
Other Non-Asphalt Surfaces	0 / 0.059949	0.1502	1.0000e-005	0.0000	0.1509
User Defined Parking	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**90.5594**	**0.9020**	**0.0222**	**119.7171**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	2.60968 / 0	8.4884	0.0855	2.1000e-003	11.2514
City Park	0 / 0.26543	0.6648	4.0000e-005	1.0000e-005	0.6682
Condo/Townhouse High Rise	16.983 / 0	55.2397	0.5563	0.0137	73.2204
Enclosed Parking with Elevator	0 / 0.073043	0.1829	1.0000e-005	0.0000	0.1839
Fast Food Restaurant w/o Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	1.15968 / 0	3.7720	0.0380	9.3000e-004	4.9998
High Turnover (Sit Down Restaurant)	6.78262 / 0	22.0615	0.2222	5.4600e-003	29.2426
Other Non-Asphalt Surfaces	0 / 0.059949	0.1502	1.0000e-005	0.0000	0.1509
User Defined Parking	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**90.5594**	**0.9020**	**0.0222**	**119.7171**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	57.2873	3.3856	0.0000	141.9269
Unmitigated	238.6971	14.1066	0.0000	591.3619

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	59.3	12.0374	0.7114	0.0000	29.8221
City Park	155.9	31.6463	1.8702	0.0000	78.4024
Condo/Townhouse High Rise	944.1	191.6438	11.3258	0.0000	474.7893
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	2.5	0.5075	0.0300	0.0000	1.2573
General Office Building	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	14.1	2.8622	0.1692	0.0000	7.0909
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**238.6971**	**14.1066**	**0.0000**	**591.3619**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	14.232	2.8890	0.1707	0.0000	7.1573
City Park	37.416	7.5951	0.4489	0.0000	18.8166
Condo/Townhouse High Rise	226.584	45.9945	2.7182	0.0000	113.9494
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	0.6	0.1218	7.2000e-003	0.0000	0.3017
General Office Building	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	3.384	0.6869	0.0406	0.0000	1.7018
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**57.2873**	**3.3856**	**0.0000**	**141.9269**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	86.3760	0.0000	0.0000	86.3760

11.2 Net New Trees

Species Class

	Number of Trees	Total CO2	CH4	N2O	CO2e
		MT			
Miscellaneous	122	86.3760	0.0000	0.0000	86.3760
Total		**86.3760**	**0.0000**	**0.0000**	**86.3760**

Hollywood Center - East Site (All Res) - Operation

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	32.66	1000sqft	0.10	32,665.00	0
Enclosed Parking with Elevator	684.00	Space	0.80	353,824.00	0
Other Non-Asphalt Surfaces	21.15	1000sqft	0.10	21,150.00	0
User Defined Parking	1.63	User Defined Unit	0.14	1,627.00	0
City Park	0.82	Acre	0.10	35,300.00	0
Fast Food Restaurant w/o Drive Thru	2.73	1000sqft	0.10	2,732.00	0
High Turnover (Sit Down Restaurant)	15.48	1000sqft	0.10	15,482.00	0
Apartments Mid Rise	65.00	Dwelling Unit	0.30	67,149.00	186
Condo/Townhouse High Rise	423.00	Dwelling Unit	0.95	575,100.00	1210

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2027
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	444	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor: California Air Resources Board, Statewide Emission Factors (EF) For Use With AB 900 Projects (Jan 2017). Linearly adjusted to 50% RPS by 2027.
Land Use - see operational assumptions

Vehicle Trips - see operational assumptions. VMT and trips provided by traffic study.

Woodstoves - see operational assumptions

Energy Use - see operational assumptions. Lighting energy intensity of Parking Lot land use used as surrogate for public open space lighting energy intensity.

Water And Wastewater - see water demand spreadsheet and water supply assessment

Solid Waste - see operational assumptions

Sequestration - Miscellaneous trees; 122 trees on East Site.

Energy Mitigation - The Project LEED checklist states it will be 20% more efficient than 2010 Ashrae 90.1 Standard. Therefore, compared to 2016 Title 24 Building Energy Efficiency that is based off of 2013 Ashrae 90.1 Standards, the Project will be 11.6% more efficient.

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	43,090.00	43,340.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	129,269.00	130,019.00
tblArchitecturalCoating	ConstArea_Parking	22,596.00	22,318.00
tblAreaCoating	Area_Nonresidential_Exterior	43090	53665
tblAreaCoating	Area_Nonresidential_Interior	129269	160994
tblAreaCoating	Area_Parking	22596	21327
tblConstructionPhase	NumDays	220.00	200.00
tblConstructionPhase	NumDays	6.00	4.00
tblConstructionPhase	NumDays	3.00	2.00
tblEnergyUse	LightingElect	0.00	0.35
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00

tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	55.25	0.00
tblFireplaces	NumberGas	359.55	0.00
tblFireplaces	NumberNoFireplace	6.50	0.00
tblFireplaces	NumberNoFireplace	42.30	0.00
tblFireplaces	NumberWood	3.25	0.00
tblFireplaces	NumberWood	21.15	0.00
tblLandUse	LandUseSquareFeet	32,660.00	32,665.00
tblLandUse	LandUseSquareFeet	273,600.00	353,824.00
tblLandUse	LandUseSquareFeet	0.00	1,627.00
tblLandUse	LandUseSquareFeet	35,719.20	35,300.00
tblLandUse	LandUseSquareFeet	2,730.00	2,732.00
tblLandUse	LandUseSquareFeet	15,480.00	15,482.00
tblLandUse	LandUseSquareFeet	65,000.00	67,149.00
tblLandUse	LandUseSquareFeet	423,000.00	575,100.00
tblLandUse	LotAcreage	0.75	0.10
tblLandUse	LotAcreage	6.16	0.80
tblLandUse	LotAcreage	0.49	0.10
tblLandUse	LotAcreage	0.00	0.14
tblLandUse	LotAcreage	0.82	0.10
tblLandUse	LotAcreage	0.06	0.10
tblLandUse	LotAcreage	0.36	0.10
tblLandUse	LotAcreage	1.71	0.30
tblLandUse	LotAcreage	6.61	0.95
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00

tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	444
tblSequestration	NumberOfNewTrees	0.00	122.00
tblSolidWaste	SolidWasteGenerationRate	29.90	59.30
tblSolidWaste	SolidWasteGenerationRate	0.07	155.90
tblSolidWaste	SolidWasteGenerationRate	194.58	944.10
tblSolidWaste	SolidWasteGenerationRate	31.45	2.50
tblSolidWaste	SolidWasteGenerationRate	30.37	0.00
tblSolidWaste	SolidWasteGenerationRate	184.21	14.10
tblTripsAndVMT	VendorTripNumber	128.00	127.00
tblTripsAndVMT	WorkerTripNumber	542.00	541.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CW_TL	16.60	0.00

tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	4.31	0.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	3.43	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	4.18	0.00
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	127.15	0.00

tblWater	IndoorWaterUseRate	4,235,011.67	2,609,679.00
tblWater	IndoorWaterUseRate	27,560,152.84	16,982,989.00
tblWater	IndoorWaterUseRate	828,647.03	0.00
tblWater	IndoorWaterUseRate	5,804,784.21	1,159,675.00
tblWater	IndoorWaterUseRate	4,698,701.87	6,782,620.00
tblWater	OutdoorWaterUseRate	2,669,898.66	0.00
tblWater	OutdoorWaterUseRate	977,014.71	265,430.00
tblWater	OutdoorWaterUseRate	17,374,878.96	0.00
tblWater	OutdoorWaterUseRate	0.00	73,043.00
tblWater	OutdoorWaterUseRate	52,892.36	0.00
tblWater	OutdoorWaterUseRate	3,557,770.97	0.00
tblWater	OutdoorWaterUseRate	299,917.14	0.00
tblWater	OutdoorWaterUseRate	0.00	59,949.00
tblWoodstoves	NumberCatalytic	3.25	0.00
tblWoodstoves	NumberCatalytic	21.15	0.00
tblWoodstoves	NumberNoncatalytic	3.25	0.00
tblWoodstoves	NumberNoncatalytic	21.15	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.0640	0.0580	5.0375	2.7000e-004		0.0279	0.0279		0.0279	0.0279	0.0000	8.2395	8.2395	7.9200e-003	0.0000	8.4375
Energy	0.0488	0.4300	0.2753	2.6600e-003		0.0337	0.0337		0.0337	0.0337	0.0000	1,561.2136	1,561.2136	0.0797	0.0234	1,570.1863
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	238.6971	0.0000	238.6971	14.1066	0.0000	591.3619
Water						0.0000	0.0000		0.0000	0.0000	8.7356	73.0982	81.8338	0.9020	0.0222	110.9914
Total	**3.1127**	**0.4880**	**5.3127**	**2.9300e-003**	**0.0000**	**0.0616**	**0.0616**	**0.0000**	**0.0616**	**0.0616**	**247.4326**	**1,642.5512**	**1,889.9839**	**15.0962**	**0.0456**	**2,280.9771**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.0640	0.0580	5.0375	2.7000e-004		0.0279	0.0279		0.0279	0.0279	0.0000	8.2395	8.2395	7.9200e-003	0.0000	8.4375
Energy	0.0467	0.4122	0.2651	2.5500e-003		0.0323	0.0323		0.0323	0.0323	0.0000	1,499.8528	1,499.8528	0.0766	0.0225	1,508.4725
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	57.2873	0.0000	57.2873	3.3856	0.0000	141.9269
Water						0.0000	0.0000		0.0000	0.0000	8.7356	73.0982	81.8338	0.9020	0.0222	110.9914
Total	**3.1107**	**0.4702**	**5.3026**	**2.8200e-003**	**0.0000**	**0.0602**	**0.0602**	**0.0000**	**0.0602**	**0.0602**	**66.0229**	**1,581.1904**	**1,647.2133**	**4.3721**	**0.0447**	**1,769.8282**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.07**	**3.64**	**0.19**	**3.75**	**0.00**	**2.27**	**2.27**	**0.00**	**2.27**	**2.27**	**73.32**	**3.74**	**12.85**	**71.04**	**2.02**	**22.41**

2.3 Vegetation

Vegetation

	CO2e
Category	MT
New Trees	86.3760
Total	**86.3760**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
User Defined Parking	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
City Park	0.00	0.00	0.00	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00	1.50	79.50	19.00	51	37	12
General Office Building	0.00	0.00	0.00	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00	8.50	72.50	19.00	37	20	43
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
User Defined Parking	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
City Park	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Condo/Townhouse High Rise	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Enclosed Parking with Elevator	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Fast Food Restaurant w/o Drive Thru	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
General Office Building	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
High Turnover (Sit Down Restaurant)	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Other Non-Asphalt Surfaces	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
User Defined Parking	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,037.5132	1,037.5132	0.0678	0.0140	1,043.3854
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,078.7529	1,078.7529	0.0705	0.0146	1,084.8585
NaturalGas Mitigated	0.0467	0.4122	0.2651	2.5500e-003		0.0323	0.0323		0.0323	0.0323	0.0000	462.3396	462.3396	8.8600e-003	8.4800e-003	465.0870
NaturalGas Unmitigated	0.0488	0.4300	0.2753	2.6600e-003		0.0337	0.0337		0.0337	0.0337	0.0000	482.4607	482.4607	9.2500e-003	8.8500e-003	485.3277

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	599101	3.2300e-003	0.0276	0.0118	1.8000e-004		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	31.9703	31.9703	6.1000e-004	5.9000e-004	32.1603
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	3.89877e+006	0.0210	0.1797	0.0765	1.1500e-003		0.0145	0.0145		0.0145	0.0145	0.0000	208.0530	208.0530	3.9900e-003	3.8100e-003	209.2893
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	630436	3.4000e-003	0.0309	0.0260	1.9000e-004		2.3500e-003	2.3500e-003		2.3500e-003	2.3500e-003	0.0000	33.6425	33.6425	6.4000e-004	6.2000e-004	33.8424
General Office Building	340043	1.8300e-003	0.0167	0.0140	1.0000e-004		1.2700e-003	1.2700e-003		1.2700e-003	1.2700e-003	0.0000	18.1460	18.1460	3.5000e-004	3.3000e-004	18.2538
High Turnover (Sit Down Restaurant)	3.57263e+006	0.0193	0.1751	0.1471	1.0500e-003		0.0133	0.0133		0.0133	0.0133	0.0000	190.6490	190.6490	3.6500e-003	3.5000e-003	191.7819
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0487**	**0.4300**	**0.2753**	**2.6700e-003**		**0.0337**	**0.0337**		**0.0337**	**0.0337**	**0.0000**	**482.4607**	**482.4607**	**9.2400e-003**	**8.8500e-003**	**485.3277**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	566031	3.0500e-003	0.0261	0.0111	1.7000e-004		2.1100e-003	2.1100e-003		2.1100e-003	2.1100e-003	0.0000	30.2056	30.2056	5.8000e-004	5.5000e-004	30.3851
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	3.68356e+006	0.0199	0.1697	0.0722	1.0800e-003		0.0137	0.0137		0.0137	0.0137	0.0000	196.5686	196.5686	3.7700e-003	3.6000e-003	197.7367
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	616815	3.3300e-003	0.0302	0.0254	1.8000e-004		2.3000e-003	2.3000e-003		2.3000e-003	2.3000e-003	0.0000	32.9156	32.9156	6.3000e-004	6.0000e-004	33.1112
General Office Building	302075	1.6300e-003	0.0148	0.0124	9.0000e-005		1.1300e-003	1.1300e-003		1.1300e-003	1.1300e-003	0.0000	16.1199	16.1199	3.1000e-004	3.0000e-004	16.2157
High Turnover (Sit Down Restaurant)	3.49544e+006	0.0189	0.1714	0.1439	1.0300e-003		0.0130	0.0130		0.0130	0.0130	0.0000	186.5299	186.5299	3.5800e-003	3.4200e-003	187.6383
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0467**	**0.4122**	**0.2651**	**2.5500e-003**		**0.0323**	**0.0323**		**0.0323**	**0.0323**	**0.0000**	**462.3396**	**462.3396**	**8.8700e-003**	**8.4700e-003**	**465.0870**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	257405	51.8401	3.3900e-003	7.0000e-004	52.1335
City Park	12355	2.4882	1.6000e-004	3.0000e-005	2.5023
Condo/Townhouse High Rise	1.78495e+006	359.4800	0.0235	4.8600e-003	361.5147
Enclosed Parking with Elevator	2.07341e+006	417.5742	0.0273	5.6400e-003	419.9376
Fast Food Restaurant w/o Drive Thru	120590	24.2863	1.5900e-003	3.3000e-004	24.4238
General Office Building	424318	85.4556	5.5800e-003	1.1500e-003	85.9393
High Turnover (Sit Down Restaurant)	683375	137.6284	8.9900e-003	1.8600e-003	138.4074
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**1,078.7529**	**0.0705**	**0.0146**	**1,084.8585**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	256165	51.5903	3.3700e-003	7.0000e-004	51.8823
City Park	12355	2.4882	1.6000e-004	3.0000e-005	2.5023
Condo/Townhouse High Rise	1.77688e+006	357.8540	0.0234	4.8400e-003	359.8795
Enclosed Parking with Elevator	1.91252e+006	385.1715	0.0252	5.2100e-003	387.3516
Fast Food Restaurant w/o Drive Thru	118020	23.7687	1.5500e-003	3.2000e-004	23.9032
General Office Building	406888	81.9453	5.3500e-003	1.1100e-003	82.4091
High Turnover (Sit Down Restaurant)	668811	134.6951	8.8000e-003	1.8200e-003	135.4575
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**1,037.5132**	**0.0678**	**0.0140**	**1,043.3854**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.0640	0.0580	5.0375	2.7000e-004		0.0279	0.0279		0.0279	0.0279	0.0000	8.2395	8.2395	7.9200e-003	0.0000	8.4375
Unmitigated	3.0640	0.0580	5.0375	2.7000e-004		0.0279	0.0279		0.0279	0.0279	0.0000	8.2395	8.2395	7.9200e-003	0.0000	8.4375

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2556					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.6565					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1519	0.0580	5.0375	2.7000e-004		0.0279	0.0279		0.0279	0.0279	0.0000	8.2395	8.2395	7.9200e-003	0.0000	8.4375
Total	**3.0640**	**0.0580**	**5.0375**	**2.7000e-004**		**0.0279**	**0.0279**		**0.0279**	**0.0279**	**0.0000**	**8.2395**	**8.2395**	**7.9200e-003**	**0.0000**	**8.4375**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2556					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.6565					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1519	0.0580	5.0375	2.7000e-004		0.0279	0.0279		0.0279	0.0279	0.0000	8.2395	8.2395	7.9200e-003	0.0000	8.4375
Total	**3.0640**	**0.0580**	**5.0375**	**2.7000e-004**		**0.0279**	**0.0279**		**0.0279**	**0.0279**	**0.0000**	**8.2395**	**8.2395**	**7.9200e-003**	**0.0000**	**8.4375**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	81.8338	0.9020	0.0222	110.9914
Unmitigated	81.8338	0.9020	0.0222	110.9914

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	2.60968 / 0	7.6715	0.0855	2.1000e-003	10.4345
City Park	0 / 0.26543	0.5939	4.0000e-005	1.0000e-005	0.5973
Condo/Townhouse High Rise	16.983 / 0	49.9235	0.5563	0.0137	67.9042
Enclosed Parking with Elevator	0 / 0.073043	0.1634	1.0000e-005	0.0000	0.1644
Fast Food Restaurant w/o Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	1.15968 / 0	3.4090	0.0380	9.3000e-004	4.6368
High Turnover (Sit Down Restaurant)	6.78262 / 0	19.9383	0.2222	5.4600e-003	27.1194
Other Non-Asphalt Surfaces	0 / 0.059949	0.1341	1.0000e-005	0.0000	0.1349
User Defined Parking	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**81.8338**	**0.9020**	**0.0222**	**110.9914**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	2.60968 / 0	7.6715	0.0855	2.1000e-003	10.4345
City Park	0 / 0.26543	0.5939	4.0000e-005	1.0000e-005	0.5973
Condo/Townhouse High Rise	16.983 / 0	49.9235	0.5563	0.0137	67.9042
Enclosed Parking with Elevator	0 / 0.073043	0.1634	1.0000e-005	0.0000	0.1644
Fast Food Restaurant w/o Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	1.15968 / 0	3.4090	0.0380	9.3000e-004	4.6368
High Turnover (Sit Down Restaurant)	6.78262 / 0	19.9383	0.2222	5.4600e-003	27.1194
Other Non-Asphalt Surfaces	0 / 0.059949	0.1341	1.0000e-005	0.0000	0.1349
User Defined Parking	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**81.8338**	**0.9020**	**0.0222**	**110.9914**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	57.2873	3.3856	0.0000	141.9269
Unmitigated	238.6971	14.1066	0.0000	591.3619

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	59.3	12.0374	0.7114	0.0000	29.8221
City Park	155.9	31.6463	1.8702	0.0000	78.4024
Condo/Townhouse High Rise	944.1	191.6438	11.3258	0.0000	474.7893
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	2.5	0.5075	0.0300	0.0000	1.2573
General Office Building	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	14.1	2.8622	0.1692	0.0000	7.0909
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**238.6971**	**14.1066**	**0.0000**	**591.3619**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	14.232	2.8890	0.1707	0.0000	7.1573
City Park	37.416	7.5951	0.4489	0.0000	18.8166
Condo/Townhouse High Rise	226.584	45.9945	2.7182	0.0000	113.9494
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	0.6	0.1218	7.2000e-003	0.0000	0.3017
General Office Building	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	3.384	0.6869	0.0406	0.0000	1.7018
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**57.2873**	**3.3856**	**0.0000**	**141.9269**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	86.3760	0.0000	0.0000	86.3760

11.2 Net New Trees

Species Class

	Number of Trees	Total CO2	CH4	N2O	CO2e
		MT			
Miscellaneous	122	86.3760	0.0000	0.0000	86.3760
Total		**86.3760**	**0.0000**	**0.0000**	**86.3760**

Hollywood Center- East Site (Res and Hotel) - Operations

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	21.65	1000sqft	0.10	21,648.00	0
Enclosed Parking with Elevator	684.00	Space	0.80	353,824.00	0
Other Non-Asphalt Surfaces	15.95	1000sqft	0.10	15,950.00	0
User Defined Parking	1.63	User Defined Unit	0.14	1,627.00	0
City Park	0.81	Acre	0.10	35,300.00	0
Fast Food Restaurant w/o Drive Thru	2.73	1000sqft	0.10	2,732.00	0
High Turnover (Sit Down Restaurant)	15.48	1000sqft	0.10	15,482.00	0
Hotel	220.00	Room	0.30	141,606.00	0
Apartments Mid Rise	48.00	Dwelling Unit	0.30	51,898.00	137
Condo/Townhouse High Rise	319.00	Dwelling Unit	0.65	444,100.00	912

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	497	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor: California Air Resources Board, Statewide Emission Factors (EF) For Use With AB 900 Projects (Jan 2017). Linearly adjusted to 44% RPS by 2024.
Land Use - see operational assumptions

Vehicle Trips - see operational assumptions. VMT and trips provided by traffic study.

Woodstoves - see operational assumptions

Energy Use - see operational assumptions. Lighting energy intensity of Parking Lot land use used as surrogate for public open space lighting energy intensity.
Water And Wastewater - see water demand spreadsheet and water supply assessment

Solid Waste - see operational assumptions

Energy Mitigation - Compared to 2016 Title 24 Building Energy Efficiency that is based off of 2013 Ashrae 90.1 Standards, the Project will be 11.6% more efficient than 2016 Title 24 Standards.
Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	108,384.00	106,734.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	325,152.00	320,202.00
tblArchitecturalCoating	ConstArea_Parking	22,284.00	21,934.00
tblAreaCoating	Area_Nonresidential_Exterior	108384	116359
tblAreaCoating	Area_Nonresidential_Interior	325152	349077
tblAreaCoating	Area_Parking	22284	21327
tblEnergyUse	LightingElect	0.00	0.35
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	40.80	0.00
tblFireplaces	NumberGas	271.15	0.00
tblFireplaces	NumberNoFireplace	4.80	0.00
tblFireplaces	NumberNoFireplace	31.90	0.00

tblFireplaces	NumberWood	2.40	0.00
tblFireplaces	NumberWood	15.95	0.00
tblLandUse	LandUseSquareFeet	21,650.00	21,648.00
tblLandUse	LandUseSquareFeet	273,600.00	353,824.00
tblLandUse	LandUseSquareFeet	0.00	1,627.00
tblLandUse	LandUseSquareFeet	35,283.60	35,300.00
tblLandUse	LandUseSquareFeet	2,730.00	2,732.00
tblLandUse	LandUseSquareFeet	15,480.00	15,482.00
tblLandUse	LandUseSquareFeet	319,440.00	141,606.00
tblLandUse	LandUseSquareFeet	48,000.00	51,898.00
tblLandUse	LandUseSquareFeet	319,000.00	444,100.00
tblLandUse	LotAcreage	0.50	0.10
tblLandUse	LotAcreage	6.16	0.80
tblLandUse	LotAcreage	0.37	0.10
tblLandUse	LotAcreage	0.00	0.14
tblLandUse	LotAcreage	0.81	0.10
tblLandUse	LotAcreage	0.06	0.10
tblLandUse	LotAcreage	0.36	0.10
tblLandUse	LotAcreage	7.33	0.30
tblLandUse	LotAcreage	1.26	0.30
tblLandUse	LotAcreage	4.98	0.65
tblProjectCharacteristics	CO2IntensityFactor	1227.89	497
tblSolidWaste	SolidWasteGenerationRate	22.08	43.80
tblSolidWaste	SolidWasteGenerationRate	0.07	155.90
tblSolidWaste	SolidWasteGenerationRate	146.74	712.00
tblSolidWaste	SolidWasteGenerationRate	31.45	2.50
tblSolidWaste	SolidWasteGenerationRate	20.13	0.00
tblSolidWaste	SolidWasteGenerationRate	184.21	14.10
tblSolidWaste	SolidWasteGenerationRate	120.45	80.30
tblTripsAndVMT	VendorTripNumber	136.00	134.00

tblTripsAndVMT	WorkerTripNumber	509.00	505.00
tblTripsAndVMT	WorkerTripNumber	102.00	101.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	4.31	0.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	3.43	0.00
tblVehicleTrips	SU_TR	500.00	0.00
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tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	WD_TR	6.65	0.00
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tblVehicleTrips	WD_TR	4.18	0.00
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	127.15	0.00
tblVehicleTrips	WD_TR	8.17	0.00
tblWater	IndoorWaterUseRate	3,127,393.23	1,920,113.00

tblWater	IndoorWaterUseRate	20,784,134.17	12,760,750.00
tblWater	IndoorWaterUseRate	828,647.03	0.00
tblWater	IndoorWaterUseRate	3,847,935.64	1,816,675.00
tblWater	IndoorWaterUseRate	4,698,701.87	6,782,620.00
tblWater	IndoorWaterUseRate	5,580,689.40	9,361,885.00
tblWater	OutdoorWaterUseRate	1,971,617.47	0.00
tblWater	OutdoorWaterUseRate	965,099.89	257,400.00
tblWater	OutdoorWaterUseRate	13,103,041.11	0.00
tblWater	OutdoorWaterUseRate	0.00	73,043.00
tblWater	OutdoorWaterUseRate	52,892.36	0.00
tblWater	OutdoorWaterUseRate	2,358,412.17	0.00
tblWater	OutdoorWaterUseRate	299,917.14	0.00
tblWater	OutdoorWaterUseRate	620,076.60	0.00
tblWater	OutdoorWaterUseRate	0.00	77,104.00
tblWoodstoves	NumberCatalytic	2.40	0.00
tblWoodstoves	NumberCatalytic	15.95	0.00
tblWoodstoves	NumberNoncatalytic	2.40	0.00
tblWoodstoves	NumberNoncatalytic	15.95	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.9822	0.0437	3.7934	2.0000e-004		0.0210	0.0210		0.0210	0.0210	0.0000	6.2062	6.2062	5.9800e-003	0.0000	6.3558
Energy	0.0604	0.5394	0.3885	3.3000e-003		0.0418	0.0418		0.0418	0.0418	0.0000	1,901.1622	1,901.1622	0.0875	0.0267	1,911.3050
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	204.7367	0.0000	204.7367	12.0996	0.0000	507.2265
Water						0.0000	0.0000		0.0000	0.0000	10.3558	96.8380	107.1938	1.0693	0.0263	141.7587
Total	**3.0427**	**0.5831**	**4.1819**	**3.5000e-003**	**0.0000**	**0.0628**	**0.0628**	**0.0000**	**0.0628**	**0.0628**	**215.0925**	**2,004.2064**	**2,219.2989**	**13.2624**	**0.0530**	**2,566.6460**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.9822	0.0437	3.7934	2.0000e-004		0.0210	0.0210		0.0210	0.0210	0.0000	6.2062	6.2062	5.9800e-003	0.0000	6.3558
Energy	0.0570	0.5091	0.3666	3.1100e-003		0.0394	0.0394		0.0394	0.0394	0.0000	1,813.7889	1,813.7889	0.0837	0.0254	1,823.4602
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	49.1368	0.0000	49.1368	2.9039	0.0000	121.7344
Water						0.0000	0.0000		0.0000	0.0000	10.3558	96.8380	107.1938	1.0693	0.0263	141.7587
Total	**3.0393**	**0.5527**	**4.1600**	**3.3100e-003**	**0.0000**	**0.0604**	**0.0604**	**0.0000**	**0.0604**	**0.0604**	**59.4926**	**1,916.8331**	**1,976.3257**	**4.0629**	**0.0517**	**2,093.3090**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.11**	**5.20**	**0.52**	**5.43**	**0.00**	**3.74**	**3.74**	**0.00**	**3.74**	**3.74**	**72.34**	**4.36**	**10.95**	**69.37**	**2.40**	**18.44**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Hotel	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
User Defined Parking	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Fast Food Restaurant w/o Drive Thru	16.60	8.40	6.90	1.50	79.50	19.00	51	37	12
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down Restaurant)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Parking	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
City Park	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Condo/Townhouse High Rise	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Enclosed Parking with Elevator	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Fast Food Restaurant w/o Drive Thru	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
General Office Building	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
High Turnover (Sit Down Restaurant)	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Hotel	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Other Non-Asphalt Surfaces	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
User Defined Parking	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,249.3681	1,249.3681	0.0729	0.0151	1,255.6853
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,303.1275	1,303.1275	0.0760	0.0157	1,309.7165
NaturalGas Mitigated	0.0570	0.5091	0.3666	3.1100e-003		0.0394	0.0394		0.0394	0.0394	0.0000	564.4208	564.4208	0.0108	0.0104	567.7749
NaturalGas Unmitigated	0.0604	0.5394	0.3885	3.3000e-003		0.0418	0.0418		0.0418	0.0418	0.0000	598.0347	598.0347	0.0115	0.0110	601.5885

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	442413	2.3900e-003	0.0204	8.6700e-003	1.3000e-004		1.6500e-003	1.6500e-003		1.6500e-003	1.6500e-003	0.0000	23.6089	23.6089	4.5000e-004	4.3000e-004	23.7491
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	2.9402e+006	0.0159	0.1355	0.0577	8.6000e-004		0.0110	0.0110		0.0110	0.0110	0.0000	156.9005	156.9005	3.0100e-003	2.8800e-003	157.8329
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Fast Food Restaurant w/o Drive Thru	630436	3.4000e-003	0.0309	0.0260	1.9000e-004		2.3500e-003	2.3500e-003		2.3500e-003	2.3500e-003	0.0000	33.6425	33.6425	6.4000e-004	6.2000e-004	33.8424
General Office Building	225356	1.2200e-003	0.0111	9.2800e-003	7.0000e-005		8.4000e-004	8.4000e-004		8.4000e-004	8.4000e-004	0.0000	12.0258	12.0258	2.3000e-004	2.2000e-004	12.0973
High Turnover (Sit Down Restaurant)	3.57263e+006	0.0193	0.1751	0.1471	1.0500e-003		0.0133	0.0133		0.0133	0.0133	0.0000	190.6490	190.6490	3.6500e-003	3.5000e-003	191.7819
Hotel	3.39571e+006	0.0183	0.1665	0.1398	1.0000e-003		0.0127	0.0127		0.0127	0.0127	0.0000	181.2081	181.2081	3.4700e-003	3.3200e-003	182.2850
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0604**	**0.5394**	**0.3885**	**3.3000e-003**		**0.0418**	**0.0418**		**0.0418**	**0.0418**	**0.0000**	**598.0347**	**598.0347**	**0.0115**	**0.0110**	**601.5885**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	417992	2.2500e-003	0.0193	8.2000e-003	1.2000e-004		1.5600e-003	1.5600e-003		1.5600e-003	1.5600e-003	0.0000	22.3057	22.3057	4.3000e-004	4.1000e-004	22.4382
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	2.77791e+006	0.0150	0.1280	0.0545	8.2000e-004		0.0104	0.0104		0.0104	0.0104	0.0000	148.2397	148.2397	2.8400e-003	2.7200e-003	149.1206
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	616815	3.3300e-003	0.0302	0.0254	1.8000e-004		2.3000e-003	2.3000e-003		2.3000e-003	2.3000e-003	0.0000	32.9156	32.9156	6.3000e-004	6.0000e-004	33.1112
General Office Building	200194	1.0800e-003	9.8100e-003	8.2400e-003	6.0000e-005		7.5000e-004	7.5000e-004		7.5000e-004	7.5000e-004	0.0000	10.6831	10.6831	2.0000e-004	2.0000e-004	10.7466
High Turnover (Sit Down Restaurant)	3.49544e+006	0.0189	0.1714	0.1439	1.0300e-003		0.0130	0.0130		0.0130	0.0130	0.0000	186.5299	186.5299	3.5800e-003	3.4200e-003	187.6383
Hotel	3.0685e+006	0.0166	0.1504	0.1264	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	163.7469	163.7469	3.1400e-003	3.0000e-003	164.7199
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0570**	**0.5091**	**0.3666**	**3.1100e-003**		**0.0394**	**0.0394**		**0.0394**	**0.0394**	**0.0000**	**564.4208**	**564.4208**	**0.0108**	**0.0104**	**567.7749**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	190084	42.8516	2.5000e-003	5.2000e-004	43.0683
City Park	12355	2.7853	1.6000e-004	3.0000e-005	2.7993
Condo/Townhouse High Rise	1.3461e+006	303.4579	0.0177	3.6600e-003	304.9923
Enclosed Parking with Elevator	2.07341e+006	467.4197	0.0273	5.6400e-003	469.7832
Fast Food Restaurant w/o Drive Thru	120590	27.1854	1.5900e-003	3.3000e-004	27.3228
General Office Building	281208	63.3941	3.7000e-003	7.7000e-004	63.7147
High Turnover (Sit Down Restaurant)	683375	154.0570	8.9900e-003	1.8600e-003	154.8360
Hotel	1.07337e+006	241.9764	0.0141	2.9200e-003	243.1999
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**1,303.1275**	**0.0760**	**0.0157**	**1,309.7165**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	189168	42.6451	2.4900e-003	5.1000e-004	42.8607

City Park	12355	2.7853	1.6000e-004	3.0000e-005	2.7993
Condo/Townhouse High Rise	1.34001e+006	302.0854	0.0176	3.6500e-003	303.6128
Enclosed Parking with Elevator	1.91252e+006	431.1492	0.0252	5.2100e-003	433.3293
Fast Food Restaurant w/o Drive Thru	118020	26.6060	1.5500e-003	3.2000e-004	26.7405
General Office Building	269656	60.7900	3.5500e-003	7.3000e-004	61.0974
High Turnover (Sit Down Restaurant)	668811	150.7736	8.8000e-003	1.8200e-003	151.5360
Hotel	1.03149e+006	232.5336	0.0136	2.8100e-003	233.7093
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**1,249.3681**	**0.0729**	**0.0151**	**1,255.6853**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.9822	0.0437	3.7934	2.0000e-004		0.0210	0.0210		0.0210	0.0210	0.0000	6.2062	6.2062	5.9800e-003	0.0000	6.3558
Unmitigated	2.9822	0.0437	3.7934	2.0000e-004		0.0210	0.0210		0.0210	0.0210	0.0000	6.2062	6.2062	5.9800e-003	0.0000	6.3558

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2680					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.5996					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1147	0.0437	3.7934	2.0000e-004		0.0210	0.0210		0.0210	0.0210	0.0000	6.2062	6.2062	5.9800e-003	0.0000	6.3558
Total	**2.9822**	**0.0437**	**3.7934**	**2.0000e-004**		**0.0210**	**0.0210**		**0.0210**	**0.0210**	**0.0000**	**6.2062**	**6.2062**	**5.9800e-003**	**0.0000**	**6.3558**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2680					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.5996					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1147	0.0437	3.7934	2.0000e-004		0.0210	0.0210		0.0210	0.0210	0.0000	6.2062	6.2062	5.9800e-003	0.0000	6.3558
Total	**2.9822**	**0.0437**	**3.7934**	**2.0000e-004**		**0.0210**	**0.0210**		**0.0210**	**0.0210**	**0.0000**	**6.2062**	**6.2062**	**5.9800e-003**	**0.0000**	**6.3558**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	107.1938	1.0693	0.0263	141.7587
Unmitigated	107.1938	1.0693	0.0263	141.7587

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	1.92011 / 0	6.2455	0.0629	1.5500e-003	8.2784
City Park	0 / 0.2574	0.6447	4.0000e-005	1.0000e-005	0.6479
Condo/Townhouse High Rise	12.7608 / 0	41.5062	0.4180	0.0103	55.0167
Enclosed Parking with Elevator	0 / 0.073043	0.1829	1.0000e-005	0.0000	0.1839
Fast Food Restaurant w/o Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	1.81668 / 0	5.9090	0.0595	1.4600e-003	7.8324
High Turnover (Sit Down Restaurant)	6.78262 / 0	22.0615	0.2222	5.4600e-003	29.2426
Hotel	9.36188 / 0	30.4509	0.3067	7.5300e-003	40.3628
Other Non-Asphalt Surfaces	0 / 0.077104	0.1931	1.0000e-005	0.0000	0.1941
User Defined Parking	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**107.1938**	**1.0693**	**0.0263**	**141.7587**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	1.92011 / 0	6.2455	0.0629	1.5500e-003	8.2784
City Park	0 / 0.2574	0.6447	4.0000e-005	1.0000e-005	0.6479
Condo/Townhouse High Rise	12.7608 / 0	41.5062	0.4180	0.0103	55.0167
Enclosed Parking with Elevator	0 / 0.073043	0.1829	1.0000e-005	0.0000	0.1839
Fast Food Restaurant w/o Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	1.81668 / 0	5.9090	0.0595	1.4600e-003	7.8324
High Turnover (Sit Down Restaurant)	6.78262 / 0	22.0615	0.2222	5.4600e-003	29.2426
Hotel	9.36188 / 0	30.4509	0.3067	7.5300e-003	40.3628
Other Non-Asphalt Surfaces	0 / 0.077104	0.1931	1.0000e-005	0.0000	0.1941
User Defined Parking	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**107.1938**	**1.0693**	**0.0263**	**141.7587**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	49.1368	2.9039	0.0000	121.7344
Unmitigated	204.7367	12.0996	0.0000	507.2265

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	43.8	8.8910	0.5254	0.0000	22.0271
City Park	155.9	31.6463	1.8702	0.0000	78.4024
Condo/Townhouse High Rise	712	144.5296	8.5415	0.0000	358.0659
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	2.5	0.5075	0.0300	0.0000	1.2573

General Office Building	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	14.1	2.8622	0.1692	0.0000	7.0909
Hotel	80.3	16.3002	0.9633	0.0000	40.3830
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**204.7367**	**12.0996**	**0.0000**	**507.2265**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	10.512	2.1338	0.1261	0.0000	5.2865
City Park	37.416	7.5951	0.4489	0.0000	18.8166
Condo/Townhouse High Rise	170.88	34.6871	2.0500	0.0000	85.9358
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	0.6	0.1218	7.2000e-003	0.0000	0.3017
General Office Building	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	3.384	0.6869	0.0406	0.0000	1.7018
Hotel	19.272	3.9120	0.2312	0.0000	9.6919
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**49.1368**	**2.9039**	**0.0000**	**121.7344**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Hollywood Center- East Site (Res and Hotel) - Operations

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	21.65	1000sqft	0.10	21,648.00	0
Enclosed Parking with Elevator	684.00	Space	0.80	353,824.00	0
Other Non-Asphalt Surfaces	15.95	1000sqft	0.10	15,950.00	0
User Defined Parking	1.63	User Defined Unit	0.14	1,627.00	0
City Park	0.81	Acre	0.10	35,300.00	0
Fast Food Restaurant w/o Drive Thru	2.73	1000sqft	0.10	2,732.00	0
High Turnover (Sit Down Restaurant)	15.48	1000sqft	0.10	15,482.00	0
Hotel	220.00	Room	0.30	141,606.00	0
Apartments Mid Rise	48.00	Dwelling Unit	0.30	51,898.00	137
Condo/Townhouse High Rise	319.00	Dwelling Unit	0.65	444,100.00	912

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2027
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	444	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor: California Air Resources Board, Statewide Emission Factors (EF) For Use With AB 900 Projects (Jan 2017). Linearly adjusted to 50% RPS by 2027.
Land Use - see operational assumptions

Vehicle Trips - see operational assumptions. VMT and trips provided by traffic study.

Woodstoves - see operational assumptions

Energy Use - see operational assumptions. Lighting energy intensity of Parking Lot land use used as surrogate for public open space lighting energy intensity.
Water And Wastewater - see water demand spreadsheet and water supply assessment

Solid Waste - see operational assumptions

Energy Mitigation - Compared to 2016 Title 24 Building Energy Efficiency that is based off of 2013 Ashrae 90.1 Standards, the Project will be 11.6% more efficient than 2016 Title 24 Standards.
Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	108,384.00	106,734.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	325,152.00	320,202.00
tblArchitecturalCoating	ConstArea_Parking	22,284.00	21,934.00
tblAreaCoating	Area_Nonresidential_Exterior	108384	116359
tblAreaCoating	Area_Nonresidential_Interior	325152	349077
tblAreaCoating	Area_Parking	22284	21327
tblEnergyUse	LightingElect	0.00	0.35
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	40.80	0.00
tblFireplaces	NumberGas	271.15	0.00
tblFireplaces	NumberNoFireplace	4.80	0.00
tblFireplaces	NumberNoFireplace	31.90	0.00

tblFireplaces	NumberWood	2.40	0.00
tblFireplaces	NumberWood	15.95	0.00
tblLandUse	LandUseSquareFeet	21,650.00	21,648.00
tblLandUse	LandUseSquareFeet	273,600.00	353,824.00
tblLandUse	LandUseSquareFeet	0.00	1,627.00
tblLandUse	LandUseSquareFeet	35,283.60	35,300.00
tblLandUse	LandUseSquareFeet	2,730.00	2,732.00
tblLandUse	LandUseSquareFeet	15,480.00	15,482.00
tblLandUse	LandUseSquareFeet	319,440.00	141,606.00
tblLandUse	LandUseSquareFeet	48,000.00	51,898.00
tblLandUse	LandUseSquareFeet	319,000.00	444,100.00
tblLandUse	LotAcreage	0.50	0.10
tblLandUse	LotAcreage	6.16	0.80
tblLandUse	LotAcreage	0.37	0.10
tblLandUse	LotAcreage	0.00	0.14
tblLandUse	LotAcreage	0.81	0.10
tblLandUse	LotAcreage	0.06	0.10
tblLandUse	LotAcreage	0.36	0.10
tblLandUse	LotAcreage	7.33	0.30
tblLandUse	LotAcreage	1.26	0.30
tblLandUse	LotAcreage	4.98	0.65
tblProjectCharacteristics	CO2IntensityFactor	1227.89	444
tblSolidWaste	SolidWasteGenerationRate	22.08	43.80
tblSolidWaste	SolidWasteGenerationRate	0.07	155.90
tblSolidWaste	SolidWasteGenerationRate	146.74	712.00
tblSolidWaste	SolidWasteGenerationRate	31.45	2.50
tblSolidWaste	SolidWasteGenerationRate	20.13	0.00
tblSolidWaste	SolidWasteGenerationRate	184.21	14.10
tblSolidWaste	SolidWasteGenerationRate	120.45	80.30
tblTripsAndVMT	VendorTripNumber	136.00	134.00

tblTripsAndVMT	WorkerTripNumber	509.00	505.00
tblTripsAndVMT	WorkerTripNumber	102.00	101.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	4.31	0.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	3.43	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	4.18	0.00
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	127.15	0.00
tblVehicleTrips	WD_TR	8.17	0.00
tblWater	IndoorWaterUseRate	3,127,393.23	1,920,113.00

tblWater	IndoorWaterUseRate	20,784,134.17	12,760,750.00
tblWater	IndoorWaterUseRate	828,647.03	0.00
tblWater	IndoorWaterUseRate	3,847,935.64	1,816,675.00
tblWater	IndoorWaterUseRate	4,698,701.87	6,782,620.00
tblWater	IndoorWaterUseRate	5,580,689.40	9,361,885.00
tblWater	OutdoorWaterUseRate	1,971,617.47	0.00
tblWater	OutdoorWaterUseRate	965,099.89	257,400.00
tblWater	OutdoorWaterUseRate	13,103,041.11	0.00
tblWater	OutdoorWaterUseRate	0.00	73,043.00
tblWater	OutdoorWaterUseRate	52,892.36	0.00
tblWater	OutdoorWaterUseRate	2,358,412.17	0.00
tblWater	OutdoorWaterUseRate	299,917.14	0.00
tblWater	OutdoorWaterUseRate	620,076.60	0.00
tblWater	OutdoorWaterUseRate	0.00	77,104.00
tblWoodstoves	NumberCatalytic	2.40	0.00
tblWoodstoves	NumberCatalytic	15.95	0.00
tblWoodstoves	NumberNoncatalytic	2.40	0.00
tblWoodstoves	NumberNoncatalytic	15.95	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.9822	0.0437	3.7934	2.0000e-004		0.0210	0.0210		0.0210	0.0210	0.0000	6.2062	6.2062	5.9800e-003	0.0000	6.3558
Energy	0.0604	0.5394	0.3885	3.3000e-003		0.0418	0.0418		0.0418	0.0418	0.0000	1,762.1969	1,762.1969	0.0875	0.0267	1,772.3397
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	204.7367	0.0000	204.7367	12.0996	0.0000	507.2265
Water						0.0000	0.0000		0.0000	0.0000	10.3558	86.5112	96.8670	1.0693	0.0263	131.4320
Total	**3.0427**	**0.5831**	**4.1819**	**3.5000e-003**	**0.0000**	**0.0628**	**0.0628**	**0.0000**	**0.0628**	**0.0628**	**215.0925**	**1,854.9143**	**2,070.0068**	**13.2624**	**0.0530**	**2,417.3539**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.9822	0.0437	3.7934	2.0000e-004		0.0210	0.0210		0.0210	0.0210	0.0000	6.2062	6.2062	5.9800e-003	0.0000	6.3558
Energy	0.0570	0.5091	0.3666	3.1100e-003		0.0394	0.0394		0.0394	0.0394	0.0000	1,680.5565	1,680.5565	0.0837	0.0254	1,690.2278
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	49.1368	0.0000	49.1368	2.9039	0.0000	121.7344
Water						0.0000	0.0000		0.0000	0.0000	10.3558	86.5112	96.8670	1.0693	0.0263	131.4320
Total	**3.0393**	**0.5527**	**4.1600**	**3.3100e-003**	**0.0000**	**0.0604**	**0.0604**	**0.0000**	**0.0604**	**0.0604**	**59.4926**	**1,773.2739**	**1,832.7665**	**4.0629**	**0.0517**	**1,949.7498**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.11**	**5.20**	**0.52**	**5.43**	**0.00**	**3.74**	**3.74**	**0.00**	**3.74**	**3.74**	**72.34**	**4.40**	**11.46**	**69.37**	**2.40**	**19.34**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Hotel	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
User Defined Parking	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3

Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Fast Food Restaurant w/o Drive Thru	16.60	8.40	6.90	1.50	79.50	19.00	51	37	12
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down Restaurant)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Parking	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
City Park	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Condo/Townhouse High Rise	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Enclosed Parking with Elevator	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Fast Food Restaurant w/o Drive Thru	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
General Office Building	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
High Turnover (Sit Down Restaurant)	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Hotel	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Other Non-Asphalt Surfaces	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
User Defined Parking	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,116.1357	1,116.1357	0.0729	0.0151	1,122.4529
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,164.1622	1,164.1622	0.0760	0.0157	1,170.7512
NaturalGas Mitigated	0.0570	0.5091	0.3666	3.1100e-003		0.0394	0.0394		0.0394	0.0394	0.0000	564.4208	564.4208	0.0108	0.0104	567.7749
NaturalGas Unmitigated	0.0604	0.5394	0.3885	3.3000e-003		0.0418	0.0418		0.0418	0.0418	0.0000	598.0347	598.0347	0.0115	0.0110	601.5885

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	442413	2.3900e-003	0.0204	8.6700e-003	1.3000e-004		1.6500e-003	1.6500e-003		1.6500e-003	1.6500e-003	0.0000	23.6089	23.6089	4.5000e-004	4.3000e-004	23.7491
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	2.9402e+006	0.0159	0.1355	0.0577	8.6000e-004		0.0110	0.0110		0.0110	0.0110	0.0000	156.9005	156.9005	3.0100e-003	2.8800e-003	157.8329
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	630436	3.4000e-003	0.0309	0.0260	1.9000e-004		2.3500e-003	2.3500e-003		2.3500e-003	2.3500e-003	0.0000	33.6425	33.6425	6.4000e-004	6.2000e-004	33.8424
General Office Building	225356	1.2200e-003	0.0111	9.2800e-003	7.0000e-005		8.4000e-004	8.4000e-004		8.4000e-004	8.4000e-004	0.0000	12.0258	12.0258	2.3000e-004	2.2000e-004	12.0973
High Turnover (Sit Down Restaurant)	3.57263e+006	0.0193	0.1751	0.1471	1.0500e-003		0.0133	0.0133		0.0133	0.0133	0.0000	190.6490	190.6490	3.6500e-003	3.5000e-003	191.7819

Hotel	3.39571e+006	0.0183	0.1665	0.1398	1.0000e-003		0.0127	0.0127		0.0127	0.0127	0.0000	181.2081	181.2081	3.4700e-003	3.3200e-003	182.2850
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0604**	**0.5394**	**0.3885**	**3.3000e-003**		**0.0418**	**0.0418**		**0.0418**	**0.0418**	**0.0000**	**598.0347**	**598.0347**	**0.0115**	**0.0110**	**601.5885**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	417992	2.2500e-003	0.0193	8.2000e-003	1.2000e-004		1.5600e-003	1.5600e-003		1.5600e-003	1.5600e-003	0.0000	22.3057	22.3057	4.3000e-004	4.1000e-004	22.4382
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	2.77791e+006	0.0150	0.1280	0.0545	8.2000e-004		0.0104	0.0104		0.0104	0.0104	0.0000	148.2397	148.2397	2.8400e-003	2.7200e-003	149.1206
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	616815	3.3300e-003	0.0302	0.0254	1.8000e-004		2.3000e-003	2.3000e-003		2.3000e-003	2.3000e-003	0.0000	32.9156	32.9156	6.3000e-004	6.0000e-004	33.1112
General Office Building	200194	1.0800e-003	9.8100e-003	8.2400e-003	6.0000e-005		7.5000e-004	7.5000e-004		7.5000e-004	7.5000e-004	0.0000	10.6831	10.6831	2.0000e-004	2.0000e-004	10.7466
High Turnover (Sit Down Restaurant)	3.49544e+006	0.0189	0.1714	0.1439	1.0300e-003		0.0130	0.0130		0.0130	0.0130	0.0000	186.5299	186.5299	3.5800e-003	3.4200e-003	187.6383
Hotel	3.0685e+006	0.0166	0.1504	0.1264	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	163.7469	163.7469	3.1400e-003	3.0000e-003	164.7199
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0570**	**0.5091**	**0.3666**	**3.1100e-003**		**0.0394**	**0.0394**		**0.0394**	**0.0394**	**0.0000**	**564.4208**	**564.4208**	**0.0108**	**0.0104**	**567.7749**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	190084	38.2819	2.5000e-003	5.2000e-004	38.4986
City Park	12355	2.4882	1.6000e-004	3.0000e-005	2.5023
Condo/Townhouse High Rise	1.3461e+006	271.0972	0.0177	3.6600e-003	272.6316
Enclosed Parking with Elevator	2.07341e+006	417.5742	0.0273	5.6400e-003	419.9376
Fast Food Restaurant w/o Drive Thru	120590	24.2863	1.5900e-003	3.3000e-004	24.4238
General Office Building	281208	56.6338	3.7000e-003	7.7000e-004	56.9543
High Turnover (Sit Down Restaurant)	683375	137.6284	8.9900e-003	1.8600e-003	138.4074
Hotel	1.07337e+006	216.1721	0.0141	2.9200e-003	217.3956
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**1,164.1622**	**0.0760**	**0.0157**	**1,170.7512**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	189168	38.0974	2.4900e-003	5.1000e-004	38.3131
City Park	12355	2.4882	1.6000e-004	3.0000e-005	2.5023

Condo/Townhouse High Rise	1.34001e+006	269.8710	0.0176	3.6500e-003	271.3985
Enclosed Parking with Elevator	1.91252e+006	385.1715	0.0252	5.2100e-003	387.3516
Fast Food Restaurant w/o Drive Thru	118020	23.7687	1.5500e-003	3.2000e-004	23.9032
General Office Building	269656	54.3074	3.5500e-003	7.3000e-004	54.6148
High Turnover (Sit Down Restaurant)	668811	134.6951	8.8000e-003	1.8200e-003	135.4575
Hotel	1.03149e+006	207.7362	0.0136	2.8100e-003	208.9120
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**1,116.1357**	**0.0729**	**0.0151**	**1,122.4529**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.9822	0.0437	3.7934	2.0000e-004		0.0210	0.0210		0.0210	0.0210	0.0000	6.2062	6.2062	5.9800e-003	0.0000	6.3558
Unmitigated	2.9822	0.0437	3.7934	2.0000e-004		0.0210	0.0210		0.0210	0.0210	0.0000	6.2062	6.2062	5.9800e-003	0.0000	6.3558

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2680					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.5996					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1147	0.0437	3.7934	2.0000e-004		0.0210	0.0210		0.0210	0.0210	0.0000	6.2062	6.2062	5.9800e-003	0.0000	6.3558
Total	**2.9822**	**0.0437**	**3.7934**	**2.0000e-004**		**0.0210**	**0.0210**		**0.0210**	**0.0210**	**0.0000**	**6.2062**	**6.2062**	**5.9800e-003**	**0.0000**	**6.3558**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2680					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.5996					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1147	0.0437	3.7934	2.0000e-004		0.0210	0.0210		0.0210	0.0210	0.0000	6.2062	6.2062	5.9800e-003	0.0000	6.3558
Total	**2.9822**	**0.0437**	**3.7934**	**2.0000e-004**		**0.0210**	**0.0210**		**0.0210**	**0.0210**	**0.0000**	**6.2062**	**6.2062**	**5.9800e-003**	**0.0000**	**6.3558**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	96.8670	1.0693	0.0263	131.4320
Unmitigated	96.8670	1.0693	0.0263	131.4320

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	1.92011 / 0	5.6444	0.0629	1.5500e-003	7.6773
City Park	0 / 0.2574	0.5759	4.0000e-005	1.0000e-005	0.5792
Condo/Townhouse High Rise	12.7608 / 0	37.5117	0.4180	0.0103	51.0222
Enclosed Parking with Elevator	0 / 0.073043	0.1634	1.0000e-005	0.0000	0.1644
Fast Food Restaurant w/o Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	1.81668 / 0	5.3403	0.0595	1.4600e-003	7.2637
High Turnover (Sit Down Restaurant)	6.78262 / 0	19.9383	0.2222	5.4600e-003	27.1194
Hotel	9.36188 / 0	27.5204	0.3067	7.5300e-003	37.4323
Other Non-Asphalt Surfaces	0 / 0.077104	0.1725	1.0000e-005	0.0000	0.1735
User Defined Parking	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**96.8670**	**1.0693**	**0.0263**	**131.4320**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	1.92011 / 0	5.6444	0.0629	1.5500e-003	7.6773
City Park	0 / 0.2574	0.5759	4.0000e-005	1.0000e-005	0.5792
Condo/Townhouse High Rise	12.7608 / 0	37.5117	0.4180	0.0103	51.0222
Enclosed Parking with Elevator	0 / 0.073043	0.1634	1.0000e-005	0.0000	0.1644
Fast Food Restaurant w/o Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	1.81668 / 0	5.3403	0.0595	1.4600e-003	7.2637
High Turnover (Sit Down Restaurant)	6.78262 / 0	19.9383	0.2222	5.4600e-003	27.1194
Hotel	9.36188 / 0	27.5204	0.3067	7.5300e-003	37.4323
Other Non-Asphalt Surfaces	0 / 0.077104	0.1725	1.0000e-005	0.0000	0.1735
User Defined Parking	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**96.8670**	**1.0693**	**0.0263**	**131.4320**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	49.1368	2.9039	0.0000	121.7344
Unmitigated	204.7367	12.0996	0.0000	507.2265

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	43.8	8.8910	0.5254	0.0000	22.0271
City Park	155.9	31.6463	1.8702	0.0000	78.4024
Condo/Townhouse High Rise	712	144.5296	8.5415	0.0000	358.0659
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	2.5	0.5075	0.0300	0.0000	1.2573
General Office Building	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	14.1	2.8622	0.1692	0.0000	7.0909
Hotel	80.3	16.3002	0.9633	0.0000	40.3830
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**204.7367**	**12.0996**	**0.0000**	**507.2265**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	10.512	2.1338	0.1261	0.0000	5.2865

City Park	37.416	7.5951	0.4489	0.0000	18.8166
Condo/Townhouse High Rise	170.88	34.6871	2.0500	0.0000	85.9358
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	0.6	0.1218	7.2000e-003	0.0000	0.3017
General Office Building	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	3.384	0.6869	0.0406	0.0000	1.7018
Hotel	19.272	3.9120	0.2312	0.0000	9.6919
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**49.1368**	**2.9039**	**0.0000**	**121.7344**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Hollywood Center Project
Air Quality Assessment
Operational Mobile Emissions
ALL RESIDENTIAL SCENARIO

		GHG Emissions (metric tons/mile)				GHG Emissions (metric tons/year)			
Year	**Max Daily VMT**	**CO2**	**CH4**	**N2O**	**CO2e**	**CO2**	**CH4**	**N2O**	**CO2e**
						1	*25*	*298*	
2024	11,397	3.56E-04	2.34E-08	1.88E-08	3.62E-04	1,479.60	0.10	0.08	1,505
2025	24,394	3.45E-04	2.27E-08	1.83E-08	3.51E-04	3,075.86	0.20	0.16	3,130
2026	24,394	3.37E-04	2.22E-08	1.80E-08	3.43E-04	2,997.67	0.20	0.16	3,050
2027	24,394	3.29E-04	2.17E-08	1.76E-08	3.34E-04	2,926.54	0.19	0.16	2,978

Sources: Fehr and Peers, 2020; EMFAC2017; ESA 2020

Hollywood Center Project
Air Quality Assessment
Operational Mobile Emissions
HOTEL SCENARIO

		GHG Emissions (metric tons/mile)				GHG Emissions (metric tons/year)			
Year	**Max Daily VMT**	**CO2**	**CH4**	**N2O**	**CO2e**	**CO2**	**CH4**	**N2O**	**CO2e**
						1	*25*	*298*	
2024	11,397	3.56E-04	2.34E-08	1.88E-08	3.62E-04	1,479.60	0.10	0.08	1,505
2025	28,810	3.45E-04	2.27E-08	1.83E-08	3.51E-04	3,632.67	0.24	0.19	3,696
2026	28,810	3.37E-04	2.22E-08	1.80E-08	3.43E-04	3,540.33	0.23	0.19	3,602
2027	28,810	3.29E-04	2.17E-08	1.76E-08	3.34E-04	3,456.32	0.23	0.19	3,517

Sources: Fehr and Peers, 2020; EMFAC2017; ESA 2020

Hollywood Center Project

Air Quality and Greenhouse Gas Assessment

Emergency Generator Emissions

updated: 6/3/2019

Conversion Factors

CO2 g/gal	10.21	Climate Registry, Table 13.1: https://www.theclimateregistry.org
CH4 g/gal	0.58	Climate Registry, Table 13.7: https://www.theclimateregistry.org
N2O g/gal	0.26	Climate Registry, Table 13.7: https://www.theclimateregistry.org
GWP CH4	25	IPCC AR4
GWP N2O	298	IPCC AR4
CO2e g/gal	10,302	
CO2 g/gal	10,210	
CO2/CO2e	0.9911	

West Tower Emergency Generator

Ratings:	1,500	kW	*(based on engineering assumptio*
	2,012	HP	*(based on engineering assumptio*
		kW	*(based on engineering assumptio*
	-	HP	*(conversion from kW to hp)*
Load Factor:	0.74		*(based on CalEEMod Generator S*
Engine Emissions Tier:	Rule 1470 Compliant		*(compliance with CARB and AQM*
Operating Hours per Unit:	2	hours/day	*(testing/maintenance)*
	50	hours/year	*(testing/maintenance, Regulator*

East Tower Emergency Generator

Ratings:	1,500	kW	*(based on engineering assumptio*
	2,012	HP	*(based on engineering assumptio*
		kW	*(based on engineering assumptio*
	-	HP	*(conversion from kW to hp)*
Load Factor:	0.74		*(based on CalEEMod Generator S*
Engine Emissions Tier:	Rule 1470 Compliant		*(compliance with CARB and AQM*
Operating Hours per Unit:	2	hours/day	*(testing/maintenance)*
	50	hours/year	*(testing/maintenance, Regulator*

Emergency Generator Emissions - West Tower

Units	Greenhouse Gases [1]	
	CO_2	CO_2e
g/kW-hr	—	—
g/HP-hr	526.17	530.91
lbs/hr	1727.10	1,742.66
lbs/day	3,454.20	3,485.32
lbs/yr	86,355.04	87,133.00
tons/yr	43.18	43.57
metric tons/yr	**39.17**	**39.52**

Emergency Generator Emissions - East Tower

Units	Greenhouse Gases [1]	
	CO_2	CO_2e
g/kW-hr	—	—
g/HP-hr	526.17	530.91
lbs/hr	1727.10	1742.66
lbs/day	3454.20	3485.32
lbs/yr	86355.04	87133.00
tons/yr	43.18	43.57
metric tons/yr	**39.17**	**39.52**

Total Emergency Generator Emissions

Units	Greenhouse Gases [1]	
	CO_2	CO_2e
lbs/hr	3454.20	3485.32
lbs/day	6908.40	6970.64
lbs/yr	172710.08	174265.99
tons/yr	86.36	87.13
metric tons/yr	**78.34**	**79.05**

Notes:

1. Emission factor for CO2: U.S. Environmental Protection Agency, AP-42 Compilation of Air Pollutant Emission Factors, Fifth Edition, Sectio
   Emissions of GHGs assume 99.11% of the CO2e emissions occur as CO2, which is typical for off-road diesel engines.
   Power ratings provided by Millenium Partners and affiliated contractor in email from January 11, 2018.

Source: Millennium Partners, 2018. ESA, 2018.

Hollywood Center EIR
Cooling Towers - All Residential
Greenhouse Gas Analysis - 2024,2025

Cooling Towers Daily Emissions

10,938	gal/day
3,992,370	gal/year
3.9924	mgal/year

CalEEMod Water Electricity Factors	Electricity Intensity Factor To Supply (kWh/Mgal)	Electricity Intensity Factor To Treat (kWh/Mgal)	Electricity Intensity Factor To Distribute (kWh/Mgal)	Electricity Intensity Factor For Wastewater Treatment (kWh/Mgal)
	9727	111	1272	1911

		GHG Emissions (lbs/yr)				
Source	**Electricity Demand from Water Demand (million kWh)**	**CO2**	**CH4**	**N20**	**CO2e**	**MTCO2e (MT/yr)**
Cooling Tower	0.0520	25,836	1.51	0.31	25,967	11.8
					West	5.9
					East	5.8

GHG	Intensity factor (lbs/MWh)
CO2	497
CH4	0.029
N2O	0.006

Hollywood Center EIR
Cooling Towers - All Residential
Greenhouse Gas Analysis - 2027

Cooling Towers Daily Emissions

10,938	gal/day
3,992,370	gal/year
3.9924	mgal/year

CalEEMod Water Electricity Factors	Electricity Intensity Factor To Supply (kWh/Mgal)	Electricity Intensity Factor To Treat (kWh/Mgal)	Electricity Intensity Factor To Distribute (kWh/Mgal)	Electricity Intensity Factor For Wastewater Treatment (kWh/Mgal)
	9727	111	1272	1911

		GHG Emissions (lbs/yr)				
Source	**Electricity Demand from Water Demand (million kWh)**	**CO2**	**CH4**	**N20**	**CO2e**	**MTCO2e (MT/yr)**
Cooling Tower	0.0520	23,081	1.51	0.31	23,212	10.5
					West	5.3
					East	5.2

GHG	Intensity factor (lbs/MWh)
CO2	444
CH4	0.029
N2O	0.006

Hollywood Center EIR
Cooling Towers - Hotel Option
Greenhouse Gas Analysis - 2024,2025

Cooling Towers Daily Emissions

16,719	gal/day
6,102,435	gal/year
6.1024	mgal/year

CalEEMod Water Electricity Factors	Electricity Intensity Factor To Supply (kWh/Mgal)	Electricity Intensity Factor To Treat (kWh/Mgal)	Electricity Intensity Factor To Distribute (kWh/Mgal)	Electricity Intensity Factor For Wastewater Treatment (kWh/Mgal)
	9727	111	1272	1911

		GHG Emissions (lbs/yr)				
Source	**Electricity Demand from Water Demand (million kWh)**	**CO2**	**CH4**	**N20**	**CO2e**	**MTCO2e (MT/yr)**
Cooling Tower	0.0795	39,492	2.30	0.48	39,691	18.0
					West	8.85
					East	9.15

GHG	Intensity factor (lbs/MWh)
CO2	497
CH4	0.029
N2O	0.006

Hollywood Center EIR
Cooling Towers - Hotel Option
Greenhouse Gas Analysis - 2027

Cooling Towers Daily Emissions

16,719	gal/day
6,102,435	gal/year
6.1024	mgal/year

CalEEMod Water Electricity Factors	Electricity Intensity Factor To Supply (kWh/Mgal)	Electricity Intensity Factor To Treat (kWh/Mgal)	Electricity Intensity Factor To Distribute (kWh/Mgal)	Electricity Intensity Factor For Wastewater Treatment (kWh/Mgal)
	9727	111	1272	1911

		GHG Emissions (lbs/yr)				
Source	**Electricity Demand from Water Demand (million kWh)**	**CO2**	**CH4**	**N20**	**CO2e**	**MTCO2e (MT/yr)**
Cooling Tower	0.0795	35,280	2.30	0.48	35,480	16.1
					West	7.91
					East	8.18

GHG	Intensity factor (lbs/MWh)
CO2	444
CH4	0.029
N2O	0.006

Hollywood Center Project

3. GHG Worksheets

GHG Calculation Worksheets and Model Outputs

2. Emissions Modeling Outputs and Calculations

c) Operations – Project Without GHG Reduction Characteristics, Features, and Measures

Hollywood Center Project

Greenhouse Gases - Operational Emissions - 2024

Summary of Estimated Unmitigated Annual GHG Emissions (CEQA Analysis)

Source	GHG Emissions MTCO2e
Project Without GHG Reduction Characteristics, Features, and Measures	
Amortized Construction[1]	225
Stationary (Cooling Tower)	34
Area (Landscaping equipment + Stationary Generator)	48
Energy - Natural Gas	443
Energy - Electricity	1,613
Waste	130
Water	181
Mobile	2,151
Subtotal	**4,825**
Project	
Amortized Construction[1]	225
Stationary (Cooling Tower)	9
Area (Landscaping equipment + Stationary Generator)	48
Energy - Natural Gas	423
Energy - Electricity	1298
Waste	130
Water	118
Mobile	1,505
Subtotal	**3,757**

Notes:

1. Total construction-related GHG emissions amortized over 30 years, per SCAQMD guidance.

Source: ESA, 2019

Hollywood Center Project
All Residential
Greenhouse Gases - Operational Emissions - 2025

Summary of Estimated Unmitigated Annual GHG Emissions (CEQA Analysis)

Source	GHG Emissions MTCO2e
Project Without GHG Reduction Characteristics, Features, and Measures	
Amortized Construction[1]	449
Stationary (Cooling Tower)	82
Area (Landscaping equipment + Stationary Generator)	96
Energy - Natural Gas	928
Energy - Electricity	3089
Waste	272
Water	362
Mobile	4,471
Subtotal	**9,750**
Project	
Amortized Construction[1]	449
Stationary (Cooling Tower)	12
Area (Landscaping equipment + Stationary Generator)	96
Energy - Natural Gas	888
Energy - Electricity	2,491
Waste	272
Water	238
Mobile	3,130
Subtotal	**7,575**

Notes:

1. Total construction-related GHG emissions amortized over 30 years, per SCAQMD guidance.

Hollywood Center Project
Hotel Option
Greenhouse Gases - Operational Emissions - 2025

Summary of Estimated Unmitigated Annual GHG Emissions (CEQA Analysis)

Source	GHG Emissions MTCO2e
Project Without GHG Reduction Characteristics, Features, and Measures	
Amortized Construction[1]	449
Stationary (Cooling Tower)	84
Area (Landscaping equipment + Stationary Generator)	94
Energy - Natural Gas	1044
Energy - Electricity	3204
Waste	252
Water	387
Mobile	5,280
Subtotal	**10,795**
Project	
Amortized Construction[1]	449
Stationary (Cooling Tower)	18
Area (Landscaping equipment + Stationary Generator)	94
Energy - Natural Gas	990
Energy - Electricity	2,579
Waste	252
Water	260
Mobile	3,696
Subtotal	**8,339**

Notes:

1. Total construction-related GHG emissions amortized over 30 years, per SCAQMD guidance.

Hollywood Center Project
All Residential
Greenhouse Gases - Operational Emissions - 2027

Summary of Estimated Unmitigated Annual GHG Emissions (CEQA Analysis)

Source	GHG Emissions MTCO2e
Project Without GHG Reduction Characteristics, Features, and Measures	
Amortized Construction[1]	449
Stationary (Cooling Tower)	82
Area (Landscaping equipment + Stationary Generator)	96
Energy - Natural Gas	928
Energy - Electricity	3083
Waste	272
Water	362
Mobile	4,254
Subtotal	**9,527**
Project	
Amortized Construction[1]	449
Stationary (Cooling Tower)	11
Area (Landscaping equipment + Stationary Generator)	96
Energy - Natural Gas	888
Energy - Electricity	2,226
Waste	272
Water	221
Mobile	2,978
Subtotal	**7,141**

Notes:

1. Total construction-related GHG emissions amortized over 30 years, per SCAQMD guidance.

Source: ESA, 2019

Hollywood Center Project
Hotel Option
Greenhouse Gases - Operational Emissions - 2027

Summary of Estimated Unmitigated Annual GHG Emissions (CEQA Analysis)

Source	GHG Emissions MTCO2e
Project Without GHG Reduction Characteristics, Features, and Measures	
Amortized Construction[1]	449
Stationary (Cooling Tower)	84
Area (Landscaping equipment + Stationary Generator)	94
Energy - Natural Gas	1044
Energy - Electricity	3198
Waste	252
Water	387
Mobile	5,025
Subtotal	**10,534**
Project	
Amortized Construction[1]	449
Stationary (Cooling Tower)	16
Area (Landscaping equipment + Stationary Generator)	94
Energy - Natural Gas	990
Energy - Electricity	2,306
Waste	252
Water	241
Mobile	3,517
Subtotal	**7,867**

Notes:

1. Total construction-related GHG emissions amortized over 30 years, per SCAQMD guidance.

Hollywood Center - West - Operations

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	41.60	1000sqft	0.10	41,600.00	0
Enclosed Parking with Elevator	837.00	Space	0.50	432,956.00	0
Other Non-Asphalt Surfaces	22.45	1000sqft	0.10	22,450.00	0
User Defined Parking	5.16	User Defined Unit	0.22	5,163.00	0
City Park	0.79	Acre	0.10	34,205.00	0
Fast Food Restaurant w/o Drive Thru	1.98	1000sqft	0.10	1,983.00	0
High Turnover (Sit Down Restaurant)	11.24	1000sqft	0.10	11,237.00	0
Apartments Mid Rise	68.00	Dwelling Unit	0.20	67,705.00	194
Condo/Townhouse High Rise	449.00	Dwelling Unit	0.50	581,464.00	1284

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2024
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	595	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor: California Air Resources Board, Statewide Emission Factors (EF) For Use With AB 900 Projects (Jan 2017).

Land Use - see operational assumptions

Vehicle Trips - see operational assumptions. VMT and trips provided by traffic study.

Woodstoves - see operational assumptions

Energy Use - see operational assumptions. Lighting energy intensity of Parking Lot land use used as surrogate for public open space lighting energy intensity.

Water And Wastewater - See water demand spreadsheet and water supply assessment.

Solid Waste - see operational assumptions.

Sequestration - Miscellaneous trees; 130 trees on West Site.

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	44,513.00	45,115.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	133,538.00	135,344.00
tblArchitecturalCoating	ConstArea_Parking	27,634.00	26,786.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	438,189.00	437,603.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,314,567.00	1,312,808.00
tblAreaCoating	Area_Nonresidential_Exterior	44513	55738
tblAreaCoating	Area_Nonresidential_Interior	133538	167213
tblAreaCoating	Area_Parking	27634	26287
tblEnergyUse	LightingElect	0.00	0.35
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00

tblFireplaces	NumberGas	57.80	0.00
tblFireplaces	NumberGas	381.65	0.00
tblFireplaces	NumberNoFireplace	6.80	0.00
tblFireplaces	NumberNoFireplace	44.90	0.00
tblFireplaces	NumberWood	3.40	0.00
tblFireplaces	NumberWood	22.45	0.00
tblLandUse	LandUseSquareFeet	334,800.00	432,956.00
tblLandUse	LandUseSquareFeet	0.00	5,163.00
tblLandUse	LandUseSquareFeet	34,412.40	34,205.00
tblLandUse	LandUseSquareFeet	1,980.00	1,983.00
tblLandUse	LandUseSquareFeet	11,240.00	11,237.00
tblLandUse	LandUseSquareFeet	68,000.00	67,705.00
tblLandUse	LandUseSquareFeet	449,000.00	581,464.00
tblLandUse	LotAcreage	0.96	0.10
tblLandUse	LotAcreage	7.53	0.50
tblLandUse	LotAcreage	0.52	0.10
tblLandUse	LotAcreage	0.00	0.22
tblLandUse	LotAcreage	0.79	0.10
tblLandUse	LotAcreage	0.05	0.10
tblLandUse	LotAcreage	0.26	0.10
tblLandUse	LotAcreage	1.79	0.20
tblLandUse	LotAcreage	7.02	0.50
tblProjectCharacteristics	CO2IntensityFactor	1227.89	595
tblSequestration	NumberOfNewTrees	0.00	130.00
tblSolidWaste	SolidWasteGenerationRate	31.28	62.05
tblSolidWaste	SolidWasteGenerationRate	0.07	0.00
tblSolidWaste	SolidWasteGenerationRate	206.54	1,002.16
tblSolidWaste	SolidWasteGenerationRate	22.81	1.81
tblSolidWaste	SolidWasteGenerationRate	38.69	0.00
tblSolidWaste	SolidWasteGenerationRate	133.76	10.25

tblTripsAndVMT	VendorTripNumber	145.00	143.00
tblTripsAndVMT	WorkerTripNumber	599.00	593.00
tblTripsAndVMT	WorkerTripNumber	120.00	119.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	4.31	0.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	3.43	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	4.18	0.00
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	127.15	0.00
tblWater	IndoorWaterUseRate	4,430,473.74	3,782,593.00
tblWater	IndoorWaterUseRate	29,254,157.50	24,976,237.00
tblWater	IndoorWaterUseRate	600,996.75	0.00

tblWater	IndoorWaterUseRate	7,393,723.92	2,315,702.00
tblWater	IndoorWaterUseRate	3,411,718.93	5,673,573.00
tblWater	OutdoorWaterUseRate	2,793,124.75	0.00
tblWater	OutdoorWaterUseRate	941,270.27	328,337.00
tblWater	OutdoorWaterUseRate	18,442,838.43	0.00
tblWater	OutdoorWaterUseRate	0.00	89,382.00
tblWater	OutdoorWaterUseRate	38,361.49	0.00
tblWater	OutdoorWaterUseRate	4,531,637.24	0.00
tblWater	OutdoorWaterUseRate	217,769.29	0.00
tblWater	OutdoorWaterUseRate	0.00	84,956.00
tblWoodstoves	NumberCatalytic	3.40	0.00
tblWoodstoves	NumberCatalytic	22.45	0.00
tblWoodstoves	NumberNoncatalytic	3.40	0.00
tblWoodstoves	NumberNoncatalytic	22.45	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.1194	0.0615	5.3411	2.8000e-004		0.0296	0.0296		0.0296	0.0296	0.0000	8.7320	8.7320	8.4200e-003	0.0000	8.9424
Energy	0.0445	0.3903	0.2369	2.4300e-003		0.0307	0.0307		0.0307	0.0307	0.0000	2,015.5123	2,015.5123	0.0852	0.0240	2,024.7815
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	218.4731	0.0000	218.4731	12.9114	0.0000	541.2578
Water						0.0000	0.0000		0.0000	0.0000	11.6585	130.6476	142.3061	1.2038	0.0296	181.2195
Total	**3.1639**	**0.4519**	**5.5780**	**2.7100e-003**	**0.0000**	**0.0603**	**0.0603**	**0.0000**	**0.0603**	**0.0603**	**230.1316**	**2,154.8919**	**2,385.0234**	**14.2088**	**0.0536**	**2,756.2012**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.1194	0.0615	5.3411	2.8000e-004		0.0296	0.0296		0.0296	0.0296	0.0000	8.7320	8.7320	8.4200e-003	0.0000	8.9424
Energy	0.0445	0.3903	0.2369	2.4300e-003		0.0307	0.0307		0.0307	0.0307	0.0000	2,015.5123	2,015.5123	0.0852	0.0240	2,024.7815
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	52.4335	0.0000	52.4335	3.0987	0.0000	129.9019
Water						0.0000	0.0000		0.0000	0.0000	11.6585	130.6476	142.3061	1.2038	0.0296	181.2195
Total	**3.1639**	**0.4519**	**5.5780**	**2.7100e-003**	**0.0000**	**0.0603**	**0.0603**	**0.0000**	**0.0603**	**0.0603**	**64.0920**	**2,154.8919**	**2,218.9839**	**4.3962**	**0.0536**	**2,344.8453**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**72.15**	**0.00**	**6.96**	**69.06**	**0.00**	**14.92**

2.3 Vegetation

Vegetation

	CO2e
Category	MT
New Trees	92.0400
Total	**92.0400**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
User Defined Parking	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Fast Food Restaurant w/o Drive Thru	16.60	8.40	6.90	1.50	79.50	19.00	51	37	12
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down Restaurant)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Parking	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
City Park	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Condo/Townhouse High Rise	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Enclosed Parking with Elevator	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Fast Food Restaurant w/o Drive Thru	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
General Office Building	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
High Turnover (Sit Down Restaurant)	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Other Non-Asphalt Surfaces	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
User Defined Parking	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,575.3216	1,575.3216	0.0768	0.0159	1,581.9750
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,575.3216	1,575.3216	0.0768	0.0159	1,581.9750
NaturalGas Mitigated	0.0445	0.3903	0.2369	2.4300e-003		0.0307	0.0307		0.0307	0.0307	0.0000	440.1907	440.1907	8.4400e-003	8.0700e-003	442.8065
NaturalGas Unmitigated	0.0445	0.3903	0.2369	2.4300e-003		0.0307	0.0307		0.0307	0.0307	0.0000	440.1907	440.1907	8.4400e-003	8.0700e-003	442.8065

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	626752	3.3800e-003	0.0289	0.0123	1.8000e-004		2.3300e-003	2.3300e-003		2.3300e-003	2.3300e-003	0.0000	33.4459	33.4459	6.4000e-004	6.1000e-004	33.6446
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	4.13841e+006	0.0223	0.1907	0.0812	1.2200e-003		0.0154	0.0154		0.0154	0.0154	0.0000	220.8411	220.8411	4.2300e-003	4.0500e-003	222.1535
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	457597	2.4700e-003	0.0224	0.0188	1.3000e-004		1.7000e-003	1.7000e-003		1.7000e-003	1.7000e-003	0.0000	24.4191	24.4191	4.7000e-004	4.5000e-004	24.5642
General Office Building	433056	2.3400e-003	0.0212	0.0178	1.3000e-004		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003	0.0000	23.1095	23.1095	4.4000e-004	4.2000e-004	23.2469
High Turnover (Sit Down Restaurant)	2.59305e+006	0.0140	0.1271	0.1068	7.6000e-004		9.6600e-003	9.6600e-003		9.6600e-003	9.6600e-003	0.0000	138.3750	138.3750	2.6500e-003	2.5400e-003	139.1973
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0445**	**0.3903**	**0.2369**	**2.4200e-003**		**0.0307**	**0.0307**		**0.0307**	**0.0307**	**0.0000**	**440.1907**	**440.1907**	**8.4300e-003**	**8.0700e-003**	**442.8065**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	626752	3.3800e-003	0.0289	0.0123	1.8000e-004		2.3300e-003	2.3300e-003		2.3300e-003	2.3300e-003	0.0000	33.4459	33.4459	6.4000e-004	6.1000e-004	33.6446
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	4.13841e+006	0.0223	0.1907	0.0812	1.2200e-003		0.0154	0.0154		0.0154	0.0154	0.0000	220.8411	220.8411	4.2300e-003	4.0500e-003	222.1535
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	457597	2.4700e-003	0.0224	0.0188	1.3000e-004		1.7000e-003	1.7000e-003		1.7000e-003	1.7000e-003	0.0000	24.4191	24.4191	4.7000e-004	4.5000e-004	24.5642
General Office Building	433056	2.3400e-003	0.0212	0.0178	1.3000e-004		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003	0.0000	23.1095	23.1095	4.4000e-004	4.2000e-004	23.2469
High Turnover (Sit Down Restaurant)	2.59305e+006	0.0140	0.1271	0.1068	7.6000e-004		9.6600e-003	9.6600e-003		9.6600e-003	9.6600e-003	0.0000	138.3750	138.3750	2.6500e-003	2.5400e-003	139.1973
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0445**	**0.3903**	**0.2369**	**2.4200e-003**		**0.0307**	**0.0307**		**0.0307**	**0.0307**	**0.0000**	**440.1907**	**440.1907**	**8.4300e-003**	**8.0700e-003**	**442.8065**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	269285	72.6768	3.5400e-003	7.3000e-004	72.9837
City Park	11971.8	3.2310	1.6000e-004	3.0000e-005	3.2447
Condo/Townhouse High Rise	1.89466e+006	511.3459	0.0249	5.1600e-003	513.5055
Enclosed Parking with Elevator	2.53712e+006	684.7375	0.0334	6.9000e-003	687.6295
Fast Food Restaurant w/o Drive Thru	87529.6	23.6232	1.1500e-003	2.4000e-004	23.7229
General Office Building	540384	145.8429	7.1100e-003	1.4700e-003	146.4588
High Turnover (Sit Down Restaurant)	496001	133.8645	6.5200e-003	1.3500e-003	134.4299
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**1,575.3216**	**0.0768**	**0.0159**	**1,581.9750**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	269285	72.6768	3.5400e-003	7.3000e-004	72.9837
City Park	11971.8	3.2310	1.6000e-004	3.0000e-005	3.2447
Condo/Townhouse High Rise	1.89466e+006	511.3459	0.0249	5.1600e-003	513.5055
Enclosed Parking with Elevator	2.53712e+006	684.7375	0.0334	6.9000e-003	687.6295
Fast Food Restaurant w/o Drive Thru	87529.6	23.6232	1.1500e-003	2.4000e-004	23.7229
General Office Building	540384	145.8429	7.1100e-003	1.4700e-003	146.4588
High Turnover (Sit Down Restaurant)	496001	133.8645	6.5200e-003	1.3500e-003	134.4299
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**1,575.3216**	**0.0768**	**0.0159**	**1,581.9750**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.1194	0.0615	5.3411	2.8000e-004		0.0296	0.0296		0.0296	0.0296	0.0000	8.7320	8.7320	8.4200e-003	0.0000	8.9424
Unmitigated	3.1194	0.0615	5.3411	2.8000e-004		0.0296	0.0296		0.0296	0.0296	0.0000	8.7320	8.7320	8.4200e-003	0.0000	8.9424

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2609					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.6972					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1613	0.0615	5.3411	2.8000e-004		0.0296	0.0296		0.0296	0.0296	0.0000	8.7320	8.7320	8.4200e-003	0.0000	8.9424
Total	**3.1194**	**0.0615**	**5.3411**	**2.8000e-004**		**0.0296**	**0.0296**		**0.0296**	**0.0296**	**0.0000**	**8.7320**	**8.7320**	**8.4200e-003**	**0.0000**	**8.9424**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2609					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.6972					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1613	0.0615	5.3411	2.8000e-004		0.0296	0.0296		0.0296	0.0296	0.0000	8.7320	8.7320	8.4200e-003	0.0000	8.9424
Total	**3.1194**	**0.0615**	**5.3411**	**2.8000e-004**		**0.0296**	**0.0296**		**0.0296**	**0.0296**	**0.0000**	**8.7320**	**8.7320**	**8.4200e-003**	**0.0000**	**8.9424**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	142.3061	1.2038	0.0296	181.2195
Unmitigated	142.3061	1.2038	0.0296	181.2195

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	3.78259 / 0	14.4929	0.1239	3.0400e-003	18.4977
City Park	0 / 0.328337	0.9845	5.0000e-005	1.0000e-005	0.9887
Condo/Townhouse High Rise	24.9762 / 0	95.6954	0.8181	0.0201	122.1390
Enclosed Parking with Elevator	0 / 0.089382	0.2680	1.0000e-005	0.0000	0.2691
Fast Food Restaurant w/o Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	2.3157 / 0	8.8725	0.0759	1.8600e-003	11.3243
High Turnover (Sit Down Restaurant)	5.67357 / 0	21.7381	0.1859	4.5700e-003	27.7450
Other Non-Asphalt Surfaces	0 / 0.084956	0.2547	1.0000e-005	0.0000	0.2558
User Defined Parking	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**142.3061**	**1.2038**	**0.0296**	**181.2195**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	3.78259 / 0	14.4929	0.1239	3.0400e-003	18.4977
City Park	0 / 0.328337	0.9845	5.0000e-005	1.0000e-005	0.9887
Condo/Townhouse High Rise	24.9762 / 0	95.6954	0.8181	0.0201	122.1390
Enclosed Parking with Elevator	0 / 0.089382	0.2680	1.0000e-005	0.0000	0.2691
Fast Food Restaurant w/o Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	2.3157 / 0	8.8725	0.0759	1.8600e-003	11.3243
High Turnover (Sit Down Restaurant)	5.67357 / 0	21.7381	0.1859	4.5700e-003	27.7450
Other Non-Asphalt Surfaces	0 / 0.084956	0.2547	1.0000e-005	0.0000	0.2558
User Defined Parking	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**142.3061**	**1.2038**	**0.0296**	**181.2195**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	52.4335	3.0987	0.0000	129.9019
Unmitigated	218.4731	12.9114	0.0000	541.2578

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	62.05	12.5956	0.7444	0.0000	31.2050
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	1002.16	203.4294	12.0223	0.0000	503.9878
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	1.81	0.3674	0.0217	0.0000	0.9103
General Office Building	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	10.25	2.0807	0.1230	0.0000	5.1547
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**218.4731**	**12.9114**	**0.0000**	**541.2578**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	14.892	3.0229	0.1787	0.0000	7.4892
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	240.518	48.8231	2.8854	0.0000	120.9571
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	0.4344	0.0882	5.2100e-003	0.0000	0.2185
General Office Building	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	2.46	0.4994	0.0295	0.0000	1.2371
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**52.4335**	**3.0987**	**0.0000**	**129.9019**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	92.0400	0.0000	0.0000	92.0400

11.2 Net New Trees

Species Class

	Number of Trees	Total CO2	CH4	N2O	CO2e
		MT			
Miscellaneous	130	92.0400	0.0000	0.0000	92.0400
Total		**92.0400**	**0.0000**	**0.0000**	**92.0400**

Hollywood Center - West - Operations

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	41.60	1000sqft	0.10	41,600.00	0
Enclosed Parking with Elevator	837.00	Space	0.50	432,956.00	0
Other Non-Asphalt Surfaces	22.45	1000sqft	0.10	22,450.00	0
User Defined Parking	5.16	User Defined Unit	0.22	5,163.00	0
City Park	0.79	Acre	0.10	34,205.00	0
Fast Food Restaurant w/o Drive Thru	1.98	1000sqft	0.10	1,983.00	0
High Turnover (Sit Down Restaurant)	11.24	1000sqft	0.10	11,237.00	0
Apartments Mid Rise	68.00	Dwelling Unit	0.20	67,705.00	194
Condo/Townhouse High Rise	449.00	Dwelling Unit	0.50	581,464.00	1284

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	595	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor: California Air Resources Board, Statewide Emission Factors (EF) For Use With AB 900 Projects (Jan 2017).

Land Use - see operational assumptions

Vehicle Trips - see operational assumptions. VMT and trips provided by traffic study.

Woodstoves - see operational assumptions

Energy Use - see operational assumptions. Lighting energy intensity of Parking Lot land use used as surrogate for public open space lighting energy intensity.

Water And Wastewater - See water demand spreadsheet and water supply assessment.

Solid Waste - see operational assumptions.

Sequestration - Miscellaneous trees; 130 trees on West Site.

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	44,513.00	45,115.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	133,538.00	135,344.00
tblArchitecturalCoating	ConstArea_Parking	27,634.00	26,786.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	438,189.00	437,603.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,314,567.00	1,312,808.00
tblAreaCoating	Area_Nonresidential_Exterior	44513	55738
tblAreaCoating	Area_Nonresidential_Interior	133538	167213
tblAreaCoating	Area_Parking	27634	26287
tblEnergyUse	LightingElect	0.00	0.35
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00

tblFireplaces	NumberGas	57.80	0.00
tblFireplaces	NumberGas	381.65	0.00
tblFireplaces	NumberNoFireplace	6.80	0.00
tblFireplaces	NumberNoFireplace	44.90	0.00
tblFireplaces	NumberWood	3.40	0.00
tblFireplaces	NumberWood	22.45	0.00
tblLandUse	LandUseSquareFeet	334,800.00	432,956.00
tblLandUse	LandUseSquareFeet	0.00	5,163.00
tblLandUse	LandUseSquareFeet	34,412.40	34,205.00
tblLandUse	LandUseSquareFeet	1,980.00	1,983.00
tblLandUse	LandUseSquareFeet	11,240.00	11,237.00
tblLandUse	LandUseSquareFeet	68,000.00	67,705.00
tblLandUse	LandUseSquareFeet	449,000.00	581,464.00
tblLandUse	LotAcreage	0.96	0.10
tblLandUse	LotAcreage	7.53	0.50
tblLandUse	LotAcreage	0.52	0.10
tblLandUse	LotAcreage	0.00	0.22
tblLandUse	LotAcreage	0.79	0.10
tblLandUse	LotAcreage	0.05	0.10
tblLandUse	LotAcreage	0.26	0.10
tblLandUse	LotAcreage	1.79	0.20
tblLandUse	LotAcreage	7.02	0.50
tblProjectCharacteristics	CO2IntensityFactor	1227.89	595
tblSequestration	NumberOfNewTrees	0.00	130.00
tblSolidWaste	SolidWasteGenerationRate	31.28	62.05
tblSolidWaste	SolidWasteGenerationRate	0.07	0.00
tblSolidWaste	SolidWasteGenerationRate	206.54	1,002.16
tblSolidWaste	SolidWasteGenerationRate	22.81	1.81
tblSolidWaste	SolidWasteGenerationRate	38.69	0.00
tblSolidWaste	SolidWasteGenerationRate	133.76	10.25

tblTripsAndVMT	VendorTripNumber	145.00	143.00
tblTripsAndVMT	WorkerTripNumber	599.00	593.00
tblTripsAndVMT	WorkerTripNumber	120.00	119.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	4.31	0.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	3.43	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	4.18	0.00
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	127.15	0.00
tblWater	IndoorWaterUseRate	4,430,473.74	3,782,593.00
tblWater	IndoorWaterUseRate	29,254,157.50	24,976,237.00
tblWater	IndoorWaterUseRate	600,996.75	0.00

tblWater	IndoorWaterUseRate	7,393,723.92	2,315,702.00
tblWater	IndoorWaterUseRate	3,411,718.93	5,673,573.00
tblWater	OutdoorWaterUseRate	2,793,124.75	0.00
tblWater	OutdoorWaterUseRate	941,270.27	328,337.00
tblWater	OutdoorWaterUseRate	18,442,838.43	0.00
tblWater	OutdoorWaterUseRate	0.00	89,382.00
tblWater	OutdoorWaterUseRate	38,361.49	0.00
tblWater	OutdoorWaterUseRate	4,531,637.24	0.00
tblWater	OutdoorWaterUseRate	217,769.29	0.00
tblWater	OutdoorWaterUseRate	0.00	84,956.00
tblWoodstoves	NumberCatalytic	3.40	0.00
tblWoodstoves	NumberCatalytic	22.45	0.00
tblWoodstoves	NumberNoncatalytic	3.40	0.00
tblWoodstoves	NumberNoncatalytic	22.45	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.1191	0.0615	5.3383	2.8000e-004		0.0296	0.0296		0.0296	0.0296	0.0000	8.7320	8.7320	8.4000e-003	0.0000	8.9420
Energy	0.0445	0.3903	0.2369	2.4300e-003		0.0307	0.0307		0.0307	0.0307	0.0000	2,015.5123	2,015.5123	0.0852	0.0240	2,024.7815
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	218.4731	0.0000	218.4731	12.9114	0.0000	541.2578
Water						0.0000	0.0000		0.0000	0.0000	11.6585	130.6476	142.3061	1.2038	0.0296	181.2195
Total	**3.1636**	**0.4518**	**5.5752**	**2.7100e-003**	**0.0000**	**0.0603**	**0.0603**	**0.0000**	**0.0603**	**0.0603**	**230.1316**	**2,154.8919**	**2,385.0234**	**14.2088**	**0.0536**	**2,756.2008**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.1191	0.0615	5.3383	2.8000e-004		0.0296	0.0296		0.0296	0.0296	0.0000	8.7320	8.7320	8.4000e-003	0.0000	8.9420
Energy	0.0445	0.3903	0.2369	2.4300e-003		0.0307	0.0307		0.0307	0.0307	0.0000	2,015.5123	2,015.5123	0.0852	0.0240	2,024.7815
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	52.4335	0.0000	52.4335	3.0987	0.0000	129.9019
Water						0.0000	0.0000		0.0000	0.0000	11.6585	130.6476	142.3061	1.2038	0.0296	181.2195
Total	**3.1636**	**0.4518**	**5.5752**	**2.7100e-003**	**0.0000**	**0.0603**	**0.0603**	**0.0000**	**0.0603**	**0.0603**	**64.0920**	**2,154.8919**	**2,218.9839**	**4.3962**	**0.0536**	**2,344.8449**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**72.15**	**0.00**	**6.96**	**69.06**	**0.00**	**14.92**

2.3 Vegetation

Vegetation

	CO2e
Category	MT
New Trees	92.0400
Total	**92.0400**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
User Defined Parking	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Fast Food Restaurant w/o Drive Thru	16.60	8.40	6.90	1.50	79.50	19.00	51	37	12
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down Restaurant)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Parking	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
City Park	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Condo/Townhouse High Rise	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Enclosed Parking with Elevator	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Fast Food Restaurant w/o Drive Thru	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
General Office Building	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
High Turnover (Sit Down Restaurant)	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Other Non-Asphalt Surfaces	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
User Defined Parking	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,575.3216	1,575.3216	0.0768	0.0159	1,581.9750
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,575.3216	1,575.3216	0.0768	0.0159	1,581.9750
NaturalGas Mitigated	0.0445	0.3903	0.2369	2.4300e-003		0.0307	0.0307		0.0307	0.0307	0.0000	440.1907	440.1907	8.4400e-003	8.0700e-003	442.8065
NaturalGas Unmitigated	0.0445	0.3903	0.2369	2.4300e-003		0.0307	0.0307		0.0307	0.0307	0.0000	440.1907	440.1907	8.4400e-003	8.0700e-003	442.8065

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	626752	3.3800e-003	0.0289	0.0123	1.8000e-004		2.3300e-003	2.3300e-003		2.3300e-003	2.3300e-003	0.0000	33.4459	33.4459	6.4000e-004	6.1000e-004	33.6446
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	4.13841e+006	0.0223	0.1907	0.0812	1.2200e-003		0.0154	0.0154		0.0154	0.0154	0.0000	220.8411	220.8411	4.2300e-003	4.0500e-003	222.1535
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	457597	2.4700e-003	0.0224	0.0188	1.3000e-004		1.7000e-003	1.7000e-003		1.7000e-003	1.7000e-003	0.0000	24.4191	24.4191	4.7000e-004	4.5000e-004	24.5642
General Office Building	433056	2.3400e-003	0.0212	0.0178	1.3000e-004		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003	0.0000	23.1095	23.1095	4.4000e-004	4.2000e-004	23.2469
High Turnover (Sit Down Restaurant)	2.59305e+006	0.0140	0.1271	0.1068	7.6000e-004		9.6600e-003	9.6600e-003		9.6600e-003	9.6600e-003	0.0000	138.3750	138.3750	2.6500e-003	2.5400e-003	139.1973
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0445**	**0.3903**	**0.2369**	**2.4200e-003**		**0.0307**	**0.0307**		**0.0307**	**0.0307**	**0.0000**	**440.1907**	**440.1907**	**8.4300e-003**	**8.0700e-003**	**442.8065**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	626752	3.3800e-003	0.0289	0.0123	1.8000e-004		2.3300e-003	2.3300e-003		2.3300e-003	2.3300e-003	0.0000	33.4459	33.4459	6.4000e-004	6.1000e-004	33.6446
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	4.13841e+006	0.0223	0.1907	0.0812	1.2200e-003		0.0154	0.0154		0.0154	0.0154	0.0000	220.8411	220.8411	4.2300e-003	4.0500e-003	222.1535
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	457597	2.4700e-003	0.0224	0.0188	1.3000e-004		1.7000e-003	1.7000e-003		1.7000e-003	1.7000e-003	0.0000	24.4191	24.4191	4.7000e-004	4.5000e-004	24.5642
General Office Building	433056	2.3400e-003	0.0212	0.0178	1.3000e-004		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003	0.0000	23.1095	23.1095	4.4000e-004	4.2000e-004	23.2469
High Turnover (Sit Down Restaurant)	2.59305e+006	0.0140	0.1271	0.1068	7.6000e-004		9.6600e-003	9.6600e-003		9.6600e-003	9.6600e-003	0.0000	138.3750	138.3750	2.6500e-003	2.5400e-003	139.1973
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0445**	**0.3903**	**0.2369**	**2.4200e-003**		**0.0307**	**0.0307**		**0.0307**	**0.0307**	**0.0000**	**440.1907**	**440.1907**	**8.4300e-003**	**8.0700e-003**	**442.8065**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	269285	72.6768	3.5400e-003	7.3000e-004	72.9837
City Park	11971.8	3.2310	1.6000e-004	3.0000e-005	3.2447
Condo/Townhouse High Rise	1.89466e+006	511.3459	0.0249	5.1600e-003	513.5055
Enclosed Parking with Elevator	2.53712e+006	684.7375	0.0334	6.9000e-003	687.6295
Fast Food Restaurant w/o Drive Thru	87529.6	23.6232	1.1500e-003	2.4000e-004	23.7229
General Office Building	540384	145.8429	7.1100e-003	1.4700e-003	146.4588
High Turnover (Sit Down Restaurant)	496001	133.8645	6.5200e-003	1.3500e-003	134.4299
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**1,575.3216**	**0.0768**	**0.0159**	**1,581.9750**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	269285	72.6768	3.5400e-003	7.3000e-004	72.9837
City Park	11971.8	3.2310	1.6000e-004	3.0000e-005	3.2447
Condo/Townhouse High Rise	1.89466e+006	511.3459	0.0249	5.1600e-003	513.5055
Enclosed Parking with Elevator	2.53712e+006	684.7375	0.0334	6.9000e-003	687.6295
Fast Food Restaurant w/o Drive Thru	87529.6	23.6232	1.1500e-003	2.4000e-004	23.7229
General Office Building	540384	145.8429	7.1100e-003	1.4700e-003	146.4588
High Turnover (Sit Down Restaurant)	496001	133.8645	6.5200e-003	1.3500e-003	134.4299
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**1,575.3216**	**0.0768**	**0.0159**	**1,581.9750**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.1191	0.0615	5.3383	2.8000e-004		0.0296	0.0296		0.0296	0.0296	0.0000	8.7320	8.7320	8.4000e-003	0.0000	8.9420
Unmitigated	3.1191	0.0615	5.3383	2.8000e-004		0.0296	0.0296		0.0296	0.0296	0.0000	8.7320	8.7320	8.4000e-003	0.0000	8.9420

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2609					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.6972					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1610	0.0615	5.3383	2.8000e-004		0.0296	0.0296		0.0296	0.0296	0.0000	8.7320	8.7320	8.4000e-003	0.0000	8.9420
Total	**3.1191**	**0.0615**	**5.3383**	**2.8000e-004**		**0.0296**	**0.0296**		**0.0296**	**0.0296**	**0.0000**	**8.7320**	**8.7320**	**8.4000e-003**	**0.0000**	**8.9420**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2609					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.6972					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1610	0.0615	5.3383	2.8000e-004		0.0296	0.0296		0.0296	0.0296	0.0000	8.7320	8.7320	8.4000e-003	0.0000	8.9420
Total	**3.1191**	**0.0615**	**5.3383**	**2.8000e-004**		**0.0296**	**0.0296**		**0.0296**	**0.0296**	**0.0000**	**8.7320**	**8.7320**	**8.4000e-003**	**0.0000**	**8.9420**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	142.3061	1.2038	0.0296	181.2195
Unmitigated	142.3061	1.2038	0.0296	181.2195

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	3.78259 / 0	14.4929	0.1239	3.0400e-003	18.4977
City Park	0 / 0.328337	0.9845	5.0000e-005	1.0000e-005	0.9887
Condo/Townhouse High Rise	24.9762 / 0	95.6954	0.8181	0.0201	122.1390
Enclosed Parking with Elevator	0 / 0.089382	0.2680	1.0000e-005	0.0000	0.2691
Fast Food Restaurant w/o Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	2.3157 / 0	8.8725	0.0759	1.8600e-003	11.3243
High Turnover (Sit Down Restaurant)	5.67357 / 0	21.7381	0.1859	4.5700e-003	27.7450
Other Non-Asphalt Surfaces	0 / 0.084956	0.2547	1.0000e-005	0.0000	0.2558
User Defined Parking	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**142.3061**	**1.2038**	**0.0296**	**181.2195**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	3.78259 / 0	14.4929	0.1239	3.0400e-003	18.4977
City Park	0 / 0.328337	0.9845	5.0000e-005	1.0000e-005	0.9887
Condo/Townhouse High Rise	24.9762 / 0	95.6954	0.8181	0.0201	122.1390
Enclosed Parking with Elevator	0 / 0.089382	0.2680	1.0000e-005	0.0000	0.2691
Fast Food Restaurant w/o Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	2.3157 / 0	8.8725	0.0759	1.8600e-003	11.3243
High Turnover (Sit Down Restaurant)	5.67357 / 0	21.7381	0.1859	4.5700e-003	27.7450
Other Non-Asphalt Surfaces	0 / 0.084956	0.2547	1.0000e-005	0.0000	0.2558
User Defined Parking	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**142.3061**	**1.2038**	**0.0296**	**181.2195**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	52.4335	3.0987	0.0000	129.9019
Unmitigated	218.4731	12.9114	0.0000	541.2578

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	62.05	12.5956	0.7444	0.0000	31.2050
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	1002.16	203.4294	12.0223	0.0000	503.9878
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	1.81	0.3674	0.0217	0.0000	0.9103
General Office Building	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	10.25	2.0807	0.1230	0.0000	5.1547
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**218.4731**	**12.9114**	**0.0000**	**541.2578**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	14.892	3.0229	0.1787	0.0000	7.4892
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	240.518	48.8231	2.8854	0.0000	120.9571
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	0.4344	0.0882	5.2100e-003	0.0000	0.2185
General Office Building	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	2.46	0.4994	0.0295	0.0000	1.2371
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**52.4335**	**3.0987**	**0.0000**	**129.9019**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	92.0400	0.0000	0.0000	92.0400

11.2 Net New Trees

Species Class

	Number of Trees	Total CO2	CH4	N2O	CO2e
		MT			
Miscellaneous	130	92.0400	0.0000	0.0000	92.0400
Total		**92.0400**	**0.0000**	**0.0000**	**92.0400**

Hollywood Center - West - Operations

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	41.60	1000sqft	0.10	41,600.00	0
Enclosed Parking with Elevator	837.00	Space	0.50	432,956.00	0
Other Non-Asphalt Surfaces	22.45	1000sqft	0.10	22,450.00	0
User Defined Parking	5.16	User Defined Unit	0.22	5,163.00	0
City Park	0.79	Acre	0.10	34,205.00	0
Fast Food Restaurant w/o Drive Thru	1.98	1000sqft	0.10	1,983.00	0
High Turnover (Sit Down Restaurant)	11.24	1000sqft	0.10	11,237.00	0
Apartments Mid Rise	68.00	Dwelling Unit	0.20	67,705.00	194
Condo/Townhouse High Rise	449.00	Dwelling Unit	0.50	581,464.00	1284

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2027
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	595	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor: California Air Resources Board, Statewide Emission Factors (EF) For Use With AB 900 Projects (Jan 2017).

Land Use - see operational assumptions

Vehicle Trips - see operational assumptions. VMT and trips provided by traffic study.

Woodstoves - see operational assumptions

Energy Use - see operational assumptions. Lighting energy intensity of Parking Lot land use used as surrogate for public open space lighting energy intensity.

Water And Wastewater - See water demand spreadsheet and water supply assessment.

Solid Waste - see operational assumptions.

Sequestration - Miscellaneous trees; 130 trees on West Site.

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	44,513.00	45,115.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	133,538.00	135,344.00
tblArchitecturalCoating	ConstArea_Parking	27,634.00	26,786.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	438,189.00	437,603.00
tblArchitecturalCoating	ConstArea_Residential_Interior	1,314,567.00	1,312,808.00
tblAreaCoating	Area_Nonresidential_Exterior	44513	55738
tblAreaCoating	Area_Nonresidential_Interior	133538	167213
tblAreaCoating	Area_Parking	27634	26287
tblEnergyUse	LightingElect	0.00	0.35
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00

tblFireplaces	NumberGas	57.80	0.00
tblFireplaces	NumberGas	381.65	0.00
tblFireplaces	NumberNoFireplace	6.80	0.00
tblFireplaces	NumberNoFireplace	44.90	0.00
tblFireplaces	NumberWood	3.40	0.00
tblFireplaces	NumberWood	22.45	0.00
tblLandUse	LandUseSquareFeet	334,800.00	432,956.00
tblLandUse	LandUseSquareFeet	0.00	5,163.00
tblLandUse	LandUseSquareFeet	34,412.40	34,205.00
tblLandUse	LandUseSquareFeet	1,980.00	1,983.00
tblLandUse	LandUseSquareFeet	11,240.00	11,237.00
tblLandUse	LandUseSquareFeet	68,000.00	67,705.00
tblLandUse	LandUseSquareFeet	449,000.00	581,464.00
tblLandUse	LotAcreage	0.96	0.10
tblLandUse	LotAcreage	7.53	0.50
tblLandUse	LotAcreage	0.52	0.10
tblLandUse	LotAcreage	0.00	0.22
tblLandUse	LotAcreage	0.79	0.10
tblLandUse	LotAcreage	0.05	0.10
tblLandUse	LotAcreage	0.26	0.10
tblLandUse	LotAcreage	1.79	0.20
tblLandUse	LotAcreage	7.02	0.50
tblProjectCharacteristics	CO2IntensityFactor	1227.89	595
tblSequestration	NumberOfNewTrees	0.00	130.00
tblSolidWaste	SolidWasteGenerationRate	31.28	62.05
tblSolidWaste	SolidWasteGenerationRate	0.07	0.00
tblSolidWaste	SolidWasteGenerationRate	206.54	1,002.16
tblSolidWaste	SolidWasteGenerationRate	22.81	1.81
tblSolidWaste	SolidWasteGenerationRate	38.69	0.00
tblSolidWaste	SolidWasteGenerationRate	133.76	10.25

tblTripsAndVMT	VendorTripNumber	145.00	143.00
tblTripsAndVMT	WorkerTripNumber	599.00	593.00
tblTripsAndVMT	WorkerTripNumber	120.00	119.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	4.31	0.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	3.43	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	4.18	0.00
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	127.15	0.00
tblWater	IndoorWaterUseRate	4,430,473.74	3,782,593.00
tblWater	IndoorWaterUseRate	29,254,157.50	24,976,237.00
tblWater	IndoorWaterUseRate	600,996.75	0.00

tblWater	IndoorWaterUseRate	7,393,723.92	2,315,702.00
tblWater	IndoorWaterUseRate	3,411,718.93	5,673,573.00
tblWater	OutdoorWaterUseRate	2,793,124.75	0.00
tblWater	OutdoorWaterUseRate	941,270.27	328,337.00
tblWater	OutdoorWaterUseRate	18,442,838.43	0.00
tblWater	OutdoorWaterUseRate	0.00	89,382.00
tblWater	OutdoorWaterUseRate	38,361.49	0.00
tblWater	OutdoorWaterUseRate	4,531,637.24	0.00
tblWater	OutdoorWaterUseRate	217,769.29	0.00
tblWater	OutdoorWaterUseRate	0.00	84,956.00
tblWoodstoves	NumberCatalytic	3.40	0.00
tblWoodstoves	NumberCatalytic	22.45	0.00
tblWoodstoves	NumberNoncatalytic	3.40	0.00
tblWoodstoves	NumberNoncatalytic	22.45	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.1191	0.0615	5.3383	2.8000e-004		0.0296	0.0296		0.0296	0.0296	0.0000	8.7320	8.7320	8.4000e-003	0.0000	8.9420
Energy	0.0445	0.3903	0.2369	2.4300e-003		0.0307	0.0307		0.0307	0.0307	0.0000	2,015.5123	2,015.5123	0.0852	0.0240	2,024.7815
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	218.4731	0.0000	218.4731	12.9114	0.0000	541.2578
Water						0.0000	0.0000		0.0000	0.0000	11.6585	130.6476	142.3061	1.2038	0.0296	181.2195
Total	**3.1636**	**0.4518**	**5.5752**	**2.7100e-003**	**0.0000**	**0.0603**	**0.0603**	**0.0000**	**0.0603**	**0.0603**	**230.1316**	**2,154.8919**	**2,385.0234**	**14.2088**	**0.0536**	**2,756.2008**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.1191	0.0615	5.3383	2.8000e-004		0.0296	0.0296		0.0296	0.0296	0.0000	8.7320	8.7320	8.4000e-003	0.0000	8.9420
Energy	0.0445	0.3903	0.2369	2.4300e-003		0.0307	0.0307		0.0307	0.0307	0.0000	2,015.5123	2,015.5123	0.0852	0.0240	2,024.7815
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	52.4335	0.0000	52.4335	3.0987	0.0000	129.9019
Water						0.0000	0.0000		0.0000	0.0000	11.6585	130.6476	142.3061	1.2038	0.0296	181.2195
Total	**3.1636**	**0.4518**	**5.5752**	**2.7100e-003**	**0.0000**	**0.0603**	**0.0603**	**0.0000**	**0.0603**	**0.0603**	**64.0920**	**2,154.8919**	**2,218.9839**	**4.3962**	**0.0536**	**2,344.8449**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**72.15**	**0.00**	**6.96**	**69.06**	**0.00**	**14.92**

2.3 Vegetation

Vegetation

	CO2e
Category	MT
New Trees	92.0400
Total	**92.0400**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
User Defined Parking	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Fast Food Restaurant w/o Drive Thru	16.60	8.40	6.90	1.50	79.50	19.00	51	37	12
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down Restaurant)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Parking	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
City Park	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Condo/Townhouse High Rise	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Enclosed Parking with Elevator	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Fast Food Restaurant w/o Drive Thru	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
General Office Building	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
High Turnover (Sit Down Restaurant)	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
Other Non-Asphalt Surfaces	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850
User Defined Parking	0.545348	0.044620	0.206559	0.118451	0.015002	0.006253	0.020617	0.031756	0.002560	0.002071	0.005217	0.000696	0.000850

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,575.3216	1,575.3216	0.0768	0.0159	1,581.9750
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,575.3216	1,575.3216	0.0768	0.0159	1,581.9750
NaturalGas Mitigated	0.0445	0.3903	0.2369	2.4300e-003		0.0307	0.0307		0.0307	0.0307	0.0000	440.1907	440.1907	8.4400e-003	8.0700e-003	442.8065
NaturalGas Unmitigated	0.0445	0.3903	0.2369	2.4300e-003		0.0307	0.0307		0.0307	0.0307	0.0000	440.1907	440.1907	8.4400e-003	8.0700e-003	442.8065

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	626752	3.3800e-003	0.0289	0.0123	1.8000e-004		2.3300e-003	2.3300e-003		2.3300e-003	2.3300e-003	0.0000	33.4459	33.4459	6.4000e-004	6.1000e-004	33.6446
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	4.13841e+006	0.0223	0.1907	0.0812	1.2200e-003		0.0154	0.0154		0.0154	0.0154	0.0000	220.8411	220.8411	4.2300e-003	4.0500e-003	222.1535
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	457597	2.4700e-003	0.0224	0.0188	1.3000e-004		1.7000e-003	1.7000e-003		1.7000e-003	1.7000e-003	0.0000	24.4191	24.4191	4.7000e-004	4.5000e-004	24.5642
General Office Building	433056	2.3400e-003	0.0212	0.0178	1.3000e-004		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003	0.0000	23.1095	23.1095	4.4000e-004	4.2000e-004	23.2469
High Turnover (Sit Down Restaurant)	2.59305e+006	0.0140	0.1271	0.1068	7.6000e-004		9.6600e-003	9.6600e-003		9.6600e-003	9.6600e-003	0.0000	138.3750	138.3750	2.6500e-003	2.5400e-003	139.1973
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0445**	**0.3903**	**0.2369**	**2.4200e-003**		**0.0307**	**0.0307**		**0.0307**	**0.0307**	**0.0000**	**440.1907**	**440.1907**	**8.4300e-003**	**8.0700e-003**	**442.8065**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	626752	3.3800e-003	0.0289	0.0123	1.8000e-004		2.3300e-003	2.3300e-003		2.3300e-003	2.3300e-003	0.0000	33.4459	33.4459	6.4000e-004	6.1000e-004	33.6446
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	4.13841e+006	0.0223	0.1907	0.0812	1.2200e-003		0.0154	0.0154		0.0154	0.0154	0.0000	220.8411	220.8411	4.2300e-003	4.0500e-003	222.1535
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	457597	2.4700e-003	0.0224	0.0188	1.3000e-004		1.7000e-003	1.7000e-003		1.7000e-003	1.7000e-003	0.0000	24.4191	24.4191	4.7000e-004	4.5000e-004	24.5642
General Office Building	433056	2.3400e-003	0.0212	0.0178	1.3000e-004		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003	0.0000	23.1095	23.1095	4.4000e-004	4.2000e-004	23.2469
High Turnover (Sit Down Restaurant)	2.59305e+006	0.0140	0.1271	0.1068	7.6000e-004		9.6600e-003	9.6600e-003		9.6600e-003	9.6600e-003	0.0000	138.3750	138.3750	2.6500e-003	2.5400e-003	139.1973
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0445**	**0.3903**	**0.2369**	**2.4200e-003**		**0.0307**	**0.0307**		**0.0307**	**0.0307**	**0.0000**	**440.1907**	**440.1907**	**8.4300e-003**	**8.0700e-003**	**442.8065**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	269285	72.6768	3.5400e-003	7.3000e-004	72.9837
City Park	11971.8	3.2310	1.6000e-004	3.0000e-005	3.2447
Condo/Townhouse High Rise	1.89466e+006	511.3459	0.0249	5.1600e-003	513.5055
Enclosed Parking with Elevator	2.53712e+006	684.7375	0.0334	6.9000e-003	687.6295
Fast Food Restaurant w/o Drive Thru	87529.6	23.6232	1.1500e-003	2.4000e-004	23.7229
General Office Building	540384	145.8429	7.1100e-003	1.4700e-003	146.4588
High Turnover (Sit Down Restaurant)	496001	133.8645	6.5200e-003	1.3500e-003	134.4299
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**1,575.3216**	**0.0768**	**0.0159**	**1,581.9750**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	269285	72.6768	3.5400e-003	7.3000e-004	72.9837
City Park	11971.8	3.2310	1.6000e-004	3.0000e-005	3.2447
Condo/Townhouse High Rise	1.89466e+006	511.3459	0.0249	5.1600e-003	513.5055
Enclosed Parking with Elevator	2.53712e+006	684.7375	0.0334	6.9000e-003	687.6295
Fast Food Restaurant w/o Drive Thru	87529.6	23.6232	1.1500e-003	2.4000e-004	23.7229
General Office Building	540384	145.8429	7.1100e-003	1.4700e-003	146.4588
High Turnover (Sit Down Restaurant)	496001	133.8645	6.5200e-003	1.3500e-003	134.4299
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**1,575.3216**	**0.0768**	**0.0159**	**1,581.9750**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.1191	0.0615	5.3383	2.8000e-004		0.0296	0.0296		0.0296	0.0296	0.0000	8.7320	8.7320	8.4000e-003	0.0000	8.9420
Unmitigated	3.1191	0.0615	5.3383	2.8000e-004		0.0296	0.0296		0.0296	0.0296	0.0000	8.7320	8.7320	8.4000e-003	0.0000	8.9420

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2609					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.6972					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1610	0.0615	5.3383	2.8000e-004		0.0296	0.0296		0.0296	0.0296	0.0000	8.7320	8.7320	8.4000e-003	0.0000	8.9420
Total	**3.1191**	**0.0615**	**5.3383**	**2.8000e-004**		**0.0296**	**0.0296**		**0.0296**	**0.0296**	**0.0000**	**8.7320**	**8.7320**	**8.4000e-003**	**0.0000**	**8.9420**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2609					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.6972					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1610	0.0615	5.3383	2.8000e-004		0.0296	0.0296		0.0296	0.0296	0.0000	8.7320	8.7320	8.4000e-003	0.0000	8.9420
Total	**3.1191**	**0.0615**	**5.3383**	**2.8000e-004**		**0.0296**	**0.0296**		**0.0296**	**0.0296**	**0.0000**	**8.7320**	**8.7320**	**8.4000e-003**	**0.0000**	**8.9420**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	142.3061	1.2038	0.0296	181.2195
Unmitigated	142.3061	1.2038	0.0296	181.2195

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	3.78259 / 0	14.4929	0.1239	3.0400e-003	18.4977
City Park	0 / 0.328337	0.9845	5.0000e-005	1.0000e-005	0.9887
Condo/Townhouse High Rise	24.9762 / 0	95.6954	0.8181	0.0201	122.1390
Enclosed Parking with Elevator	0 / 0.089382	0.2680	1.0000e-005	0.0000	0.2691
Fast Food Restaurant w/o Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	2.3157 / 0	8.8725	0.0759	1.8600e-003	11.3243
High Turnover (Sit Down Restaurant)	5.67357 / 0	21.7381	0.1859	4.5700e-003	27.7450
Other Non-Asphalt Surfaces	0 / 0.084956	0.2547	1.0000e-005	0.0000	0.2558
User Defined Parking	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**142.3061**	**1.2038**	**0.0296**	**181.2195**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	3.78259 / 0	14.4929	0.1239	3.0400e-003	18.4977
City Park	0 / 0.328337	0.9845	5.0000e-005	1.0000e-005	0.9887
Condo/Townhouse High Rise	24.9762 / 0	95.6954	0.8181	0.0201	122.1390
Enclosed Parking with Elevator	0 / 0.089382	0.2680	1.0000e-005	0.0000	0.2691
Fast Food Restaurant w/o Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	2.3157 / 0	8.8725	0.0759	1.8600e-003	11.3243
High Turnover (Sit Down Restaurant)	5.67357 / 0	21.7381	0.1859	4.5700e-003	27.7450
Other Non-Asphalt Surfaces	0 / 0.084956	0.2547	1.0000e-005	0.0000	0.2558
User Defined Parking	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**142.3061**	**1.2038**	**0.0296**	**181.2195**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	52.4335	3.0987	0.0000	129.9019
Unmitigated	218.4731	12.9114	0.0000	541.2578

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	62.05	12.5956	0.7444	0.0000	31.2050
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	1002.16	203.4294	12.0223	0.0000	503.9878
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	1.81	0.3674	0.0217	0.0000	0.9103
General Office Building	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	10.25	2.0807	0.1230	0.0000	5.1547
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**218.4731**	**12.9114**	**0.0000**	**541.2578**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	14.892	3.0229	0.1787	0.0000	7.4892
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	240.518	48.8231	2.8854	0.0000	120.9571
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	0.4344	0.0882	5.2100e-003	0.0000	0.2185
General Office Building	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	2.46	0.4994	0.0295	0.0000	1.2371
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**52.4335**	**3.0987**	**0.0000**	**129.9019**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	92.0400	0.0000	0.0000	92.0400

11.2 Net New Trees

Species Class

	Number of Trees	Total CO2	CH4	N2O	CO2e
		MT			
Miscellaneous	130	92.0400	0.0000	0.0000	92.0400
Total		**92.0400**	**0.0000**	**0.0000**	**92.0400**

Hollywood Center - East Site (All Res) - Operation

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	32.66	1000sqft	0.10	32,665.00	0
Enclosed Parking with Elevator	684.00	Space	0.80	353,824.00	0
Other Non-Asphalt Surfaces	21.15	1000sqft	0.10	21,150.00	0
User Defined Parking	1.63	User Defined Unit	0.14	1,627.00	0
City Park	0.82	Acre	0.10	35,300.00	0
Fast Food Restaurant w/o Drive Thru	2.73	1000sqft	0.10	2,732.00	0
High Turnover (Sit Down Restaurant)	15.48	1000sqft	0.10	15,482.00	0
Apartments Mid Rise	65.00	Dwelling Unit	0.30	67,149.00	186
Condo/Townhouse High Rise	423.00	Dwelling Unit	0.95	575,100.00	1210

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	595	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor: California Air Resources Board, Statewide Emission Factors (EF) For Use With AB 900 Projects (Jan 2017).
Land Use - see operational assumptions

Vehicle Trips - see operational assumptions. VMT and trips provided by traffic study.

Woodstoves - see operational assumptions

Energy Use - see operational assumptions. Lighting energy intensity of Parking Lot land use used as surrogate for public open space lighting energy intensity.

Water And Wastewater - see water demand spreadsheet and water supply assessment

Solid Waste - see operational assumptions

Sequestration - Miscellaneous trees; 122 trees on East Site.

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	43,090.00	43,340.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	129,269.00	130,019.00
tblArchitecturalCoating	ConstArea_Parking	22,596.00	22,318.00
tblAreaCoating	Area_Nonresidential_Exterior	43090	53665
tblAreaCoating	Area_Nonresidential_Interior	129269	160994
tblAreaCoating	Area_Parking	22596	21327
tblConstructionPhase	NumDays	220.00	200.00
tblConstructionPhase	NumDays	6.00	4.00
tblConstructionPhase	NumDays	3.00	2.00
tblEnergyUse	LightingElect	0.00	0.35
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00

tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	55.25	0.00
tblFireplaces	NumberGas	359.55	0.00
tblFireplaces	NumberNoFireplace	6.50	0.00
tblFireplaces	NumberNoFireplace	42.30	0.00
tblFireplaces	NumberWood	3.25	0.00
tblFireplaces	NumberWood	21.15	0.00
tblLandUse	LandUseSquareFeet	32,660.00	32,665.00
tblLandUse	LandUseSquareFeet	273,600.00	353,824.00
tblLandUse	LandUseSquareFeet	0.00	1,627.00
tblLandUse	LandUseSquareFeet	35,719.20	35,300.00
tblLandUse	LandUseSquareFeet	2,730.00	2,732.00
tblLandUse	LandUseSquareFeet	15,480.00	15,482.00
tblLandUse	LandUseSquareFeet	65,000.00	67,149.00
tblLandUse	LandUseSquareFeet	423,000.00	575,100.00
tblLandUse	LotAcreage	0.75	0.10
tblLandUse	LotAcreage	6.16	0.80
tblLandUse	LotAcreage	0.49	0.10
tblLandUse	LotAcreage	0.00	0.14
tblLandUse	LotAcreage	0.82	0.10
tblLandUse	LotAcreage	0.06	0.10
tblLandUse	LotAcreage	0.36	0.10
tblLandUse	LotAcreage	1.71	0.30
tblLandUse	LotAcreage	6.61	0.95
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00

tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	595
tblSequestration	NumberOfNewTrees	0.00	122.00
tblSolidWaste	SolidWasteGenerationRate	29.90	59.30
tblSolidWaste	SolidWasteGenerationRate	0.07	155.90
tblSolidWaste	SolidWasteGenerationRate	194.58	944.10
tblSolidWaste	SolidWasteGenerationRate	31.45	2.50
tblSolidWaste	SolidWasteGenerationRate	30.37	0.00
tblSolidWaste	SolidWasteGenerationRate	184.21	14.10
tblTripsAndVMT	VendorTripNumber	128.00	127.00
tblTripsAndVMT	WorkerTripNumber	542.00	541.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CW_TL	16.60	0.00

tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
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tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	4.31	0.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	3.43	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	4.18	0.00
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	127.15	0.00

tblWater	IndoorWaterUseRate	4,235,011.67	3,615,714.00
tblWater	IndoorWaterUseRate	27,560,152.84	23,529,952.00
tblWater	IndoorWaterUseRate	828,647.03	0.00
tblWater	IndoorWaterUseRate	5,804,784.21	1,709,518.00
tblWater	IndoorWaterUseRate	4,698,701.87	7,816,827.00
tblWater	OutdoorWaterUseRate	2,669,898.66	0.00
tblWater	OutdoorWaterUseRate	977,014.71	484,518.00
tblWater	OutdoorWaterUseRate	17,374,878.96	0.00
tblWater	OutdoorWaterUseRate	0.00	73,043.00
tblWater	OutdoorWaterUseRate	52,892.36	0.00
tblWater	OutdoorWaterUseRate	3,557,770.97	0.00
tblWater	OutdoorWaterUseRate	299,917.14	0.00
tblWater	OutdoorWaterUseRate	0.00	59,949.00
tblWoodstoves	NumberCatalytic	3.25	0.00
tblWoodstoves	NumberCatalytic	21.15	0.00
tblWoodstoves	NumberNoncatalytic	3.25	0.00
tblWoodstoves	NumberNoncatalytic	21.15	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.0640	0.0580	5.0375	2.7000e-004		0.0279	0.0279		0.0279	0.0279	0.0000	8.2395	8.2395	7.9200e-003	0.0000	8.4375
Energy	0.0488	0.4300	0.2753	2.6600e-003		0.0337	0.0337		0.0337	0.0337	0.0000	1,928.0867	1,928.0867	0.0797	0.0234	1,937.0594
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	238.6971	0.0000	238.6971	14.1066	0.0000	591.3619
Water						0.0000	0.0000		0.0000	0.0000	11.6343	130.7245	142.3589	1.2013	0.0295	181.1932
Total	**3.1127**	**0.4880**	**5.3127**	**2.9300e-003**	**0.0000**	**0.0616**	**0.0616**	**0.0000**	**0.0616**	**0.0616**	**250.3314**	**2,067.0507**	**2,317.3821**	**15.3956**	**0.0530**	**2,718.0520**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.0640	0.0580	5.0375	2.7000e-004		0.0279	0.0279		0.0279	0.0279	0.0000	8.2395	8.2395	7.9200e-003	0.0000	8.4375
Energy	0.0488	0.4300	0.2753	2.6600e-003		0.0337	0.0337		0.0337	0.0337	0.0000	1,928.0867	1,928.0867	0.0797	0.0234	1,937.0594
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	57.2873	0.0000	57.2873	3.3856	0.0000	141.9269
Water						0.0000	0.0000		0.0000	0.0000	11.6343	130.7245	142.3589	1.2013	0.0295	181.1932
Total	**3.1127**	**0.4880**	**5.3127**	**2.9300e-003**	**0.0000**	**0.0616**	**0.0616**	**0.0000**	**0.0616**	**0.0616**	**68.9216**	**2,067.0507**	**2,135.9724**	**4.6745**	**0.0530**	**2,268.6169**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**72.47**	**0.00**	**7.83**	**69.64**	**0.00**	**16.54**

2.3 Vegetation

Vegetation

	CO2e
Category	MT
New Trees	86.3760
Total	**86.3760**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
User Defined Parking	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
City Park	0.00	0.00	0.00	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00	1.50	79.50	19.00	51	37	12
General Office Building	0.00	0.00	0.00	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00	8.50	72.50	19.00	37	20	43
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
User Defined Parking	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
City Park	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Condo/Townhouse High Rise	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Enclosed Parking with Elevator	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Fast Food Restaurant w/o Drive Thru	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
General Office Building	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
High Turnover (Sit Down Restaurant)	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Other Non-Asphalt Surfaces	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
User Defined Parking	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,445.6261	1,445.6261	0.0705	0.0146	1,451.7317
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,445.6261	1,445.6261	0.0705	0.0146	1,451.7317
NaturalGas Mitigated	0.0488	0.4300	0.2753	2.6600e-003		0.0337	0.0337		0.0337	0.0337	0.0000	482.4607	482.4607	9.2500e-003	8.8500e-003	485.3277
NaturalGas Unmitigated	0.0488	0.4300	0.2753	2.6600e-003		0.0337	0.0337		0.0337	0.0337	0.0000	482.4607	482.4607	9.2500e-003	8.8500e-003	485.3277

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	599101	3.2300e-003	0.0276	0.0118	1.8000e-004		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	31.9703	31.9703	6.1000e-004	5.9000e-004	32.1603
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	3.89877e+006	0.0210	0.1797	0.0765	1.1500e-003		0.0145	0.0145		0.0145	0.0145	0.0000	208.0530	208.0530	3.9900e-003	3.8100e-003	209.2893
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	630436	3.4000e-003	0.0309	0.0260	1.9000e-004		2.3500e-003	2.3500e-003		2.3500e-003	2.3500e-003	0.0000	33.6425	33.6425	6.4000e-004	6.2000e-004	33.8424
General Office Building	340043	1.8300e-003	0.0167	0.0140	1.0000e-004		1.2700e-003	1.2700e-003		1.2700e-003	1.2700e-003	0.0000	18.1460	18.1460	3.5000e-004	3.3000e-004	18.2538
High Turnover (Sit Down Restaurant)	3.57263e+006	0.0193	0.1751	0.1471	1.0500e-003		0.0133	0.0133		0.0133	0.0133	0.0000	190.6490	190.6490	3.6500e-003	3.5000e-003	191.7819
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0487**	**0.4300**	**0.2753**	**2.6700e-003**		**0.0337**	**0.0337**		**0.0337**	**0.0337**	**0.0000**	**482.4607**	**482.4607**	**9.2400e-003**	**8.8500e-003**	**485.3277**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	599101	3.2300e-003	0.0276	0.0118	1.8000e-004		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	31.9703	31.9703	6.1000e-004	5.9000e-004	32.1603
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	3.89877e+006	0.0210	0.1797	0.0765	1.1500e-003		0.0145	0.0145		0.0145	0.0145	0.0000	208.0530	208.0530	3.9900e-003	3.8100e-003	209.2893
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	630436	3.4000e-003	0.0309	0.0260	1.9000e-004		2.3500e-003	2.3500e-003		2.3500e-003	2.3500e-003	0.0000	33.6425	33.6425	6.4000e-004	6.2000e-004	33.8424
General Office Building	340043	1.8300e-003	0.0167	0.0140	1.0000e-004		1.2700e-003	1.2700e-003		1.2700e-003	1.2700e-003	0.0000	18.1460	18.1460	3.5000e-004	3.3000e-004	18.2538
High Turnover (Sit Down Restaurant)	3.57263e+006	0.0193	0.1751	0.1471	1.0500e-003		0.0133	0.0133		0.0133	0.0133	0.0000	190.6490	190.6490	3.6500e-003	3.5000e-003	191.7819
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0487**	**0.4300**	**0.2753**	**2.6700e-003**		**0.0337**	**0.0337**		**0.0337**	**0.0337**	**0.0000**	**482.4607**	**482.4607**	**9.2400e-003**	**8.8500e-003**	**485.3277**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	257405	69.4704	3.3900e-003	7.0000e-004	69.7639
City Park	12355	3.3345	1.6000e-004	3.0000e-005	3.3485
Condo/Townhouse High Rise	1.78495e+006	481.7356	0.0235	4.8600e-003	483.7703
Enclosed Parking with Elevator	2.07341e+006	559.5870	0.0273	5.6400e-003	561.9504
Fast Food Restaurant w/o Drive Thru	120590	32.5459	1.5900e-003	3.3000e-004	32.6833
General Office Building	424318	114.5182	5.5800e-003	1.1500e-003	115.0019
High Turnover (Sit Down Restaurant)	683375	184.4345	8.9900e-003	1.8600e-003	185.2134
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**1,445.6261**	**0.0705**	**0.0146**	**1,451.7317**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	257405	69.4704	3.3900e-003	7.0000e-004	69.7639
City Park	12355	3.3345	1.6000e-004	3.0000e-005	3.3485
Condo/Townhouse High Rise	1.78495e+006	481.7356	0.0235	4.8600e-003	483.7703
Enclosed Parking with Elevator	2.07341e+006	559.5870	0.0273	5.6400e-003	561.9504
Fast Food Restaurant w/o Drive Thru	120590	32.5459	1.5900e-003	3.3000e-004	32.6833
General Office Building	424318	114.5182	5.5800e-003	1.1500e-003	115.0019
High Turnover (Sit Down Restaurant)	683375	184.4345	8.9900e-003	1.8600e-003	185.2134
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**1,445.6261**	**0.0705**	**0.0146**	**1,451.7317**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.0640	0.0580	5.0375	2.7000e-004		0.0279	0.0279		0.0279	0.0279	0.0000	8.2395	8.2395	7.9200e-003	0.0000	8.4375
Unmitigated	3.0640	0.0580	5.0375	2.7000e-004		0.0279	0.0279		0.0279	0.0279	0.0000	8.2395	8.2395	7.9200e-003	0.0000	8.4375

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2556					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.6565					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1519	0.0580	5.0375	2.7000e-004		0.0279	0.0279		0.0279	0.0279	0.0000	8.2395	8.2395	7.9200e-003	0.0000	8.4375
Total	**3.0640**	**0.0580**	**5.0375**	**2.7000e-004**		**0.0279**	**0.0279**		**0.0279**	**0.0279**	**0.0000**	**8.2395**	**8.2395**	**7.9200e-003**	**0.0000**	**8.4375**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2556					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.6565					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1519	0.0580	5.0375	2.7000e-004		0.0279	0.0279		0.0279	0.0279	0.0000	8.2395	8.2395	7.9200e-003	0.0000	8.4375
Total	**3.0640**	**0.0580**	**5.0375**	**2.7000e-004**		**0.0279**	**0.0279**		**0.0279**	**0.0279**	**0.0000**	**8.2395**	**8.2395**	**7.9200e-003**	**0.0000**	**8.4375**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	142.3589	1.2013	0.0295	181.1932
Unmitigated	142.3589	1.2013	0.0295	181.1932

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	3.61571 / 0	13.8535	0.1184	2.9100e-003	17.6816
City Park	0 / 0.484518	1.4528	7.0000e-005	1.0000e-005	1.4589
Condo/Townhouse High Rise	23.53 / 0	90.1540	0.7708	0.0189	115.0664
Enclosed Parking with Elevator	0 / 0.073043	0.2190	1.0000e-005	0.0000	0.2199
Fast Food Restaurant w/o Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	1.70952 / 0	6.5500	0.0560	1.3800e-003	8.3599
High Turnover (Sit Down Restaurant)	7.81683 / 0	29.9499	0.2561	6.2900e-003	38.2259
Other Non-Asphalt Surfaces	0 / 0.059949	0.1798	1.0000e-005	0.0000	0.1805
User Defined Parking	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**142.3589**	**1.2013**	**0.0295**	**181.1932**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	3.61571 / 0	13.8535	0.1184	2.9100e-003	17.6816
City Park	0 / 0.484518	1.4528	7.0000e-005	1.0000e-005	1.4589
Condo/Townhouse High Rise	23.53 / 0	90.1540	0.7708	0.0189	115.0664
Enclosed Parking with Elevator	0 / 0.073043	0.2190	1.0000e-005	0.0000	0.2199
Fast Food Restaurant w/o Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	1.70952 / 0	6.5500	0.0560	1.3800e-003	8.3599
High Turnover (Sit Down Restaurant)	7.81683 / 0	29.9499	0.2561	6.2900e-003	38.2259
Other Non-Asphalt Surfaces	0 / 0.059949	0.1798	1.0000e-005	0.0000	0.1805
User Defined Parking	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**142.3589**	**1.2013**	**0.0295**	**181.1932**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	57.2873	3.3856	0.0000	141.9269
Unmitigated	238.6971	14.1066	0.0000	591.3619

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	59.3	12.0374	0.7114	0.0000	29.8221
City Park	155.9	31.6463	1.8702	0.0000	78.4024
Condo/Townhouse High Rise	944.1	191.6438	11.3258	0.0000	474.7893
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	2.5	0.5075	0.0300	0.0000	1.2573
General Office Building	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	14.1	2.8622	0.1692	0.0000	7.0909
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**238.6971**	**14.1066**	**0.0000**	**591.3619**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	14.232	2.8890	0.1707	0.0000	7.1573
City Park	37.416	7.5951	0.4489	0.0000	18.8166
Condo/Townhouse High Rise	226.584	45.9945	2.7182	0.0000	113.9494
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	0.6	0.1218	7.2000e-003	0.0000	0.3017
General Office Building	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	3.384	0.6869	0.0406	0.0000	1.7018
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**57.2873**	**3.3856**	**0.0000**	**141.9269**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	86.3760	0.0000	0.0000	86.3760

11.2 Net New Trees

Species Class

	Number of Trees	Total CO2	CH4	N2O	CO2e
		MT			
Miscellaneous	122	86.3760	0.0000	0.0000	86.3760
Total		**86.3760**	**0.0000**	**0.0000**	**86.3760**

Hollywood Center - East Site (All Res) - Operation

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	32.66	1000sqft	0.10	32,665.00	0
Enclosed Parking with Elevator	684.00	Space	0.80	353,824.00	0
Other Non-Asphalt Surfaces	21.15	1000sqft	0.10	21,150.00	0
User Defined Parking	1.63	User Defined Unit	0.14	1,627.00	0
City Park	0.82	Acre	0.10	35,300.00	0
Fast Food Restaurant w/o Drive Thru	2.73	1000sqft	0.10	2,732.00	0
High Turnover (Sit Down Restaurant)	15.48	1000sqft	0.10	15,482.00	0
Apartments Mid Rise	65.00	Dwelling Unit	0.30	67,149.00	186
Condo/Townhouse High Rise	423.00	Dwelling Unit	0.95	575,100.00	1210

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2027
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	595	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor: California Air Resources Board, Statewide Emission Factors (EF) For Use With AB 900 Projects (Jan 2017).

Land Use - see operational assumptions

Vehicle Trips - see operational assumptions. VMT and trips provided by traffic study.

Woodstoves - see operational assumptions

Energy Use - see operational assumptions. Lighting energy intensity of Parking Lot land use used as surrogate for public open space lighting energy intensity.

Water And Wastewater - see water demand spreadsheet and water supply assessment

Solid Waste - see operational assumptions

Sequestration - Miscellaneous trees; 122 trees on East Site.

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	43,090.00	43,340.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	129,269.00	130,019.00
tblArchitecturalCoating	ConstArea_Parking	22,596.00	22,318.00
tblAreaCoating	Area_Nonresidential_Exterior	43090	53665
tblAreaCoating	Area_Nonresidential_Interior	129269	160994
tblAreaCoating	Area_Parking	22596	21327
tblConstructionPhase	NumDays	220.00	200.00
tblConstructionPhase	NumDays	6.00	4.00
tblConstructionPhase	NumDays	3.00	2.00
tblEnergyUse	LightingElect	0.00	0.35
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00

tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	55.25	0.00
tblFireplaces	NumberGas	359.55	0.00
tblFireplaces	NumberNoFireplace	6.50	0.00
tblFireplaces	NumberNoFireplace	42.30	0.00
tblFireplaces	NumberWood	3.25	0.00
tblFireplaces	NumberWood	21.15	0.00
tblLandUse	LandUseSquareFeet	32,660.00	32,665.00
tblLandUse	LandUseSquareFeet	273,600.00	353,824.00
tblLandUse	LandUseSquareFeet	0.00	1,627.00
tblLandUse	LandUseSquareFeet	35,719.20	35,300.00
tblLandUse	LandUseSquareFeet	2,730.00	2,732.00
tblLandUse	LandUseSquareFeet	15,480.00	15,482.00
tblLandUse	LandUseSquareFeet	65,000.00	67,149.00
tblLandUse	LandUseSquareFeet	423,000.00	575,100.00
tblLandUse	LotAcreage	0.75	0.10
tblLandUse	LotAcreage	6.16	0.80
tblLandUse	LotAcreage	0.49	0.10
tblLandUse	LotAcreage	0.00	0.14
tblLandUse	LotAcreage	0.82	0.10
tblLandUse	LotAcreage	0.06	0.10
tblLandUse	LotAcreage	0.36	0.10
tblLandUse	LotAcreage	1.71	0.30
tblLandUse	LotAcreage	6.61	0.95
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00

tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CO2IntensityFactor	1227.89	595
tblSequestration	NumberOfNewTrees	0.00	122.00
tblSolidWaste	SolidWasteGenerationRate	29.90	59.30
tblSolidWaste	SolidWasteGenerationRate	0.07	155.90
tblSolidWaste	SolidWasteGenerationRate	194.58	944.10
tblSolidWaste	SolidWasteGenerationRate	31.45	2.50
tblSolidWaste	SolidWasteGenerationRate	30.37	0.00
tblSolidWaste	SolidWasteGenerationRate	184.21	14.10
tblTripsAndVMT	VendorTripNumber	128.00	127.00
tblTripsAndVMT	WorkerTripNumber	542.00	541.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00

tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	4.31	0.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	3.43	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	4.18	0.00
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	11.03	0.00

tblVehicleTrips	WD_TR	127.15	0.00
tblWater	IndoorWaterUseRate	4,235,011.67	3,615,714.00
tblWater	IndoorWaterUseRate	27,560,152.84	23,529,952.00
tblWater	IndoorWaterUseRate	828,647.03	0.00
tblWater	IndoorWaterUseRate	5,804,784.21	1,709,518.00
tblWater	IndoorWaterUseRate	4,698,701.87	7,816,827.00
tblWater	OutdoorWaterUseRate	2,669,898.66	0.00
tblWater	OutdoorWaterUseRate	977,014.71	484,518.00
tblWater	OutdoorWaterUseRate	17,374,878.96	0.00
tblWater	OutdoorWaterUseRate	0.00	73,043.00
tblWater	OutdoorWaterUseRate	52,892.36	0.00
tblWater	OutdoorWaterUseRate	3,557,770.97	0.00
tblWater	OutdoorWaterUseRate	299,917.14	0.00
tblWater	OutdoorWaterUseRate	0.00	59,949.00
tblWoodstoves	NumberCatalytic	3.25	0.00
tblWoodstoves	NumberCatalytic	21.15	0.00
tblWoodstoves	NumberNoncatalytic	3.25	0.00
tblWoodstoves	NumberNoncatalytic	21.15	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.0640	0.0580	5.0375	2.7000e-004		0.0279	0.0279		0.0279	0.0279	0.0000	8.2395	8.2395	7.9200e-003	0.0000	8.4375
Energy	0.0488	0.4300	0.2753	2.6600e-003		0.0337	0.0337		0.0337	0.0337	0.0000	1,928.0867	1,928.0867	0.0797	0.0234	1,937.0594
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	238.6971	0.0000	238.6971	14.1066	0.0000	591.3619
Water						0.0000	0.0000		0.0000	0.0000	11.6343	130.7245	142.3589	1.2013	0.0295	181.1932
Total	**3.1127**	**0.4880**	**5.3127**	**2.9300e-003**	**0.0000**	**0.0616**	**0.0616**	**0.0000**	**0.0616**	**0.0616**	**250.3314**	**2,067.0507**	**2,317.3821**	**15.3956**	**0.0530**	**2,718.0520**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.0640	0.0580	5.0375	2.7000e-004		0.0279	0.0279		0.0279	0.0279	0.0000	8.2395	8.2395	7.9200e-003	0.0000	8.4375
Energy	0.0488	0.4300	0.2753	2.6600e-003		0.0337	0.0337		0.0337	0.0337	0.0000	1,928.0867	1,928.0867	0.0797	0.0234	1,937.0594
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	57.2873	0.0000	57.2873	3.3856	0.0000	141.9269
Water						0.0000	0.0000		0.0000	0.0000	11.6343	130.7245	142.3589	1.2013	0.0295	181.1932
Total	**3.1127**	**0.4880**	**5.3127**	**2.9300e-003**	**0.0000**	**0.0616**	**0.0616**	**0.0000**	**0.0616**	**0.0616**	**68.9216**	**2,067.0507**	**2,135.9724**	**4.6745**	**0.0530**	**2,268.6169**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**72.47**	**0.00**	**7.83**	**69.64**	**0.00**	**16.54**

2.3 Vegetation

Vegetation

	CO2e
Category	MT
New Trees	86.3760
Total	**86.3760**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
User Defined Parking	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
City Park	0.00	0.00	0.00	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00	1.50	79.50	19.00	51	37	12
General Office Building	0.00	0.00	0.00	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00	8.50	72.50	19.00	37	20	43
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
User Defined Parking	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
City Park	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Condo/Townhouse High Rise	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Enclosed Parking with Elevator	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Fast Food Restaurant w/o Drive Thru	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
General Office Building	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
High Turnover (Sit Down Restaurant)	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Other Non-Asphalt Surfaces	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
User Defined Parking	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,445.6261	1,445.6261	0.0705	0.0146	1,451.7317
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,445.6261	1,445.6261	0.0705	0.0146	1,451.7317
NaturalGas Mitigated	0.0488	0.4300	0.2753	2.6600e-003		0.0337	0.0337		0.0337	0.0337	0.0000	482.4607	482.4607	9.2500e-003	8.8500e-003	485.3277
NaturalGas Unmitigated	0.0488	0.4300	0.2753	2.6600e-003		0.0337	0.0337		0.0337	0.0337	0.0000	482.4607	482.4607	9.2500e-003	8.8500e-003	485.3277

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	599101	3.2300e-003	0.0276	0.0118	1.8000e-004		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	31.9703	31.9703	6.1000e-004	5.9000e-004	32.1603
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	3.89877e+006	0.0210	0.1797	0.0765	1.1500e-003		0.0145	0.0145		0.0145	0.0145	0.0000	208.0530	208.0530	3.9900e-003	3.8100e-003	209.2893
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	630436	3.4000e-003	0.0309	0.0260	1.9000e-004		2.3500e-003	2.3500e-003		2.3500e-003	2.3500e-003	0.0000	33.6425	33.6425	6.4000e-004	6.2000e-004	33.8424
General Office Building	340043	1.8300e-003	0.0167	0.0140	1.0000e-004		1.2700e-003	1.2700e-003		1.2700e-003	1.2700e-003	0.0000	18.1460	18.1460	3.5000e-004	3.3000e-004	18.2538
High Turnover (Sit Down Restaurant)	3.57263e+006	0.0193	0.1751	0.1471	1.0500e-003		0.0133	0.0133		0.0133	0.0133	0.0000	190.6490	190.6490	3.6500e-003	3.5000e-003	191.7819
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0487**	**0.4300**	**0.2753**	**2.6700e-003**		**0.0337**	**0.0337**		**0.0337**	**0.0337**	**0.0000**	**482.4607**	**482.4607**	**9.2400e-003**	**8.8500e-003**	**485.3277**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	599101	3.2300e-003	0.0276	0.0118	1.8000e-004		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	31.9703	31.9703	6.1000e-004	5.9000e-004	32.1603
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	3.89877e+006	0.0210	0.1797	0.0765	1.1500e-003		0.0145	0.0145		0.0145	0.0145	0.0000	208.0530	208.0530	3.9900e-003	3.8100e-003	209.2893
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	630436	3.4000e-003	0.0309	0.0260	1.9000e-004		2.3500e-003	2.3500e-003		2.3500e-003	2.3500e-003	0.0000	33.6425	33.6425	6.4000e-004	6.2000e-004	33.8424
General Office Building	340043	1.8300e-003	0.0167	0.0140	1.0000e-004		1.2700e-003	1.2700e-003		1.2700e-003	1.2700e-003	0.0000	18.1460	18.1460	3.5000e-004	3.3000e-004	18.2538
High Turnover (Sit Down Restaurant)	3.57263e+006	0.0193	0.1751	0.1471	1.0500e-003		0.0133	0.0133		0.0133	0.0133	0.0000	190.6490	190.6490	3.6500e-003	3.5000e-003	191.7819
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0487**	**0.4300**	**0.2753**	**2.6700e-003**		**0.0337**	**0.0337**		**0.0337**	**0.0337**	**0.0000**	**482.4607**	**482.4607**	**9.2400e-003**	**8.8500e-003**	**485.3277**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	257405	69.4704	3.3900e-003	7.0000e-004	69.7639
City Park	12355	3.3345	1.6000e-004	3.0000e-005	3.3485
Condo/Townhouse High Rise	1.78495e+006	481.7356	0.0235	4.8600e-003	483.7703
Enclosed Parking with Elevator	2.07341e+006	559.5870	0.0273	5.6400e-003	561.9504
Fast Food Restaurant w/o Drive Thru	120590	32.5459	1.5900e-003	3.3000e-004	32.6833
General Office Building	424318	114.5182	5.5800e-003	1.1500e-003	115.0019
High Turnover (Sit Down Restaurant)	683375	184.4345	8.9900e-003	1.8600e-003	185.2134
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**1,445.6261**	**0.0705**	**0.0146**	**1,451.7317**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	257405	69.4704	3.3900e-003	7.0000e-004	69.7639
City Park	12355	3.3345	1.6000e-004	3.0000e-005	3.3485
Condo/Townhouse High Rise	1.78495e+006	481.7356	0.0235	4.8600e-003	483.7703
Enclosed Parking with Elevator	2.07341e+006	559.5870	0.0273	5.6400e-003	561.9504
Fast Food Restaurant w/o Drive Thru	120590	32.5459	1.5900e-003	3.3000e-004	32.6833
General Office Building	424318	114.5182	5.5800e-003	1.1500e-003	115.0019
High Turnover (Sit Down Restaurant)	683375	184.4345	8.9900e-003	1.8600e-003	185.2134
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**1,445.6261**	**0.0705**	**0.0146**	**1,451.7317**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.0640	0.0580	5.0375	2.7000e-004		0.0279	0.0279		0.0279	0.0279	0.0000	8.2395	8.2395	7.9200e-003	0.0000	8.4375
Unmitigated	3.0640	0.0580	5.0375	2.7000e-004		0.0279	0.0279		0.0279	0.0279	0.0000	8.2395	8.2395	7.9200e-003	0.0000	8.4375

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2556					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.6565					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1519	0.0580	5.0375	2.7000e-004		0.0279	0.0279		0.0279	0.0279	0.0000	8.2395	8.2395	7.9200e-003	0.0000	8.4375
Total	**3.0640**	**0.0580**	**5.0375**	**2.7000e-004**		**0.0279**	**0.0279**		**0.0279**	**0.0279**	**0.0000**	**8.2395**	**8.2395**	**7.9200e-003**	**0.0000**	**8.4375**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2556					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.6565					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1519	0.0580	5.0375	2.7000e-004		0.0279	0.0279		0.0279	0.0279	0.0000	8.2395	8.2395	7.9200e-003	0.0000	8.4375
Total	**3.0640**	**0.0580**	**5.0375**	**2.7000e-004**		**0.0279**	**0.0279**		**0.0279**	**0.0279**	**0.0000**	**8.2395**	**8.2395**	**7.9200e-003**	**0.0000**	**8.4375**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	142.3589	1.2013	0.0295	181.1932
Unmitigated	142.3589	1.2013	0.0295	181.1932

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	3.61571 / 0	13.8535	0.1184	2.9100e-003	17.6816
City Park	0 / 0.484518	1.4528	7.0000e-005	1.0000e-005	1.4589
Condo/Townhouse High Rise	23.53 / 0	90.1540	0.7708	0.0189	115.0664
Enclosed Parking with Elevator	0 / 0.073043	0.2190	1.0000e-005	0.0000	0.2199
Fast Food Restaurant w/o Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	1.70952 / 0	6.5500	0.0560	1.3800e-003	8.3599
High Turnover (Sit Down Restaurant)	7.81683 / 0	29.9499	0.2561	6.2900e-003	38.2259
Other Non-Asphalt Surfaces	0 / 0.059949	0.1798	1.0000e-005	0.0000	0.1805
User Defined Parking	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**142.3589**	**1.2013**	**0.0295**	**181.1932**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	3.61571 / 0	13.8535	0.1184	2.9100e-003	17.6816
City Park	0 / 0.484518	1.4528	7.0000e-005	1.0000e-005	1.4589
Condo/Townhouse High Rise	23.53 / 0	90.1540	0.7708	0.0189	115.0664
Enclosed Parking with Elevator	0 / 0.073043	0.2190	1.0000e-005	0.0000	0.2199
Fast Food Restaurant w/o Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	1.70952 / 0	6.5500	0.0560	1.3800e-003	8.3599
High Turnover (Sit Down Restaurant)	7.81683 / 0	29.9499	0.2561	6.2900e-003	38.2259
Other Non-Asphalt Surfaces	0 / 0.059949	0.1798	1.0000e-005	0.0000	0.1805
User Defined Parking	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**142.3589**	**1.2013**	**0.0295**	**181.1932**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	57.2873	3.3856	0.0000	141.9269
Unmitigated	238.6971	14.1066	0.0000	591.3619

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	59.3	12.0374	0.7114	0.0000	29.8221
City Park	155.9	31.6463	1.8702	0.0000	78.4024
Condo/Townhouse High Rise	944.1	191.6438	11.3258	0.0000	474.7893
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	2.5	0.5075	0.0300	0.0000	1.2573
General Office Building	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	14.1	2.8622	0.1692	0.0000	7.0909
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**238.6971**	**14.1066**	**0.0000**	**591.3619**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	14.232	2.8890	0.1707	0.0000	7.1573
City Park	37.416	7.5951	0.4489	0.0000	18.8166
Condo/Townhouse High Rise	226.584	45.9945	2.7182	0.0000	113.9494
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	0.6	0.1218	7.2000e-003	0.0000	0.3017
General Office Building	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	3.384	0.6869	0.0406	0.0000	1.7018
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**57.2873**	**3.3856**	**0.0000**	**141.9269**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	86.3760	0.0000	0.0000	86.3760

11.2 Net New Trees

Species Class

	Number of Trees	Total CO2	CH4	N2O	CO2e
		MT			
Miscellaneous	122	86.3760	0.0000	0.0000	86.3760
Total		**86.3760**	**0.0000**	**0.0000**	**86.3760**

Hollywood Center- East Site (Res and Hotel) - Operations

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	21.65	1000sqft	0.10	21,648.00	0
Enclosed Parking with Elevator	684.00	Space	0.80	353,824.00	0
Other Non-Asphalt Surfaces	15.95	1000sqft	0.10	15,950.00	0
User Defined Parking	1.63	User Defined Unit	0.14	1,627.00	0
City Park	0.81	Acre	0.10	35,300.00	0
Fast Food Restaurant w/o Drive Thru	2.73	1000sqft	0.10	2,732.00	0
High Turnover (Sit Down Restaurant)	15.48	1000sqft	0.10	15,482.00	0
Hotel	220.00	Room	0.30	141,606.00	0
Apartments Mid Rise	48.00	Dwelling Unit	0.30	51,898.00	137
Condo/Townhouse High Rise	319.00	Dwelling Unit	0.65	444,100.00	912

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2025
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	595	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor: California Air Resources Board, Statewide Emission Factors (EF) For Use With AB 900 Projects (Jan 2017).
Land Use - see operational assumptions

Vehicle Trips - see operational assumptions. VMT and trips provided by traffic study.

Woodstoves - see operational assumptions

Energy Use - see operational assumptions. Lighting energy intensity of Parking Lot land use used as surrogate for public open space lighting energy intensity.
Water And Wastewater - see water demand spreadsheet and water supply assessment

Solid Waste - see operational assumptions

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	108,384.00	106,734.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	325,152.00	320,202.00
tblArchitecturalCoating	ConstArea_Parking	22,284.00	21,934.00
tblAreaCoating	Area_Nonresidential_Exterior	108384	116359
tblAreaCoating	Area_Nonresidential_Interior	325152	349077
tblAreaCoating	Area_Parking	22284	21327
tblEnergyUse	LightingElect	0.00	0.35
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	40.80	0.00
tblFireplaces	NumberGas	271.15	0.00
tblFireplaces	NumberNoFireplace	4.80	0.00
tblFireplaces	NumberNoFireplace	31.90	0.00
tblFireplaces	NumberWood	2.40	0.00

tblFireplaces	NumberWood	15.95	0.00
tblLandUse	LandUseSquareFeet	21,650.00	21,648.00
tblLandUse	LandUseSquareFeet	273,600.00	353,824.00
tblLandUse	LandUseSquareFeet	0.00	1,627.00
tblLandUse	LandUseSquareFeet	35,283.60	35,300.00
tblLandUse	LandUseSquareFeet	2,730.00	2,732.00
tblLandUse	LandUseSquareFeet	15,480.00	15,482.00
tblLandUse	LandUseSquareFeet	319,440.00	141,606.00
tblLandUse	LandUseSquareFeet	48,000.00	51,898.00
tblLandUse	LandUseSquareFeet	319,000.00	444,100.00
tblLandUse	LotAcreage	0.50	0.10
tblLandUse	LotAcreage	6.16	0.80
tblLandUse	LotAcreage	0.37	0.10
tblLandUse	LotAcreage	0.00	0.14
tblLandUse	LotAcreage	0.81	0.10
tblLandUse	LotAcreage	0.06	0.10
tblLandUse	LotAcreage	0.36	0.10
tblLandUse	LotAcreage	7.33	0.30
tblLandUse	LotAcreage	1.26	0.30
tblLandUse	LotAcreage	4.98	0.65
tblProjectCharacteristics	CO2IntensityFactor	1227.89	595
tblSolidWaste	SolidWasteGenerationRate	22.08	43.80
tblSolidWaste	SolidWasteGenerationRate	0.07	155.90
tblSolidWaste	SolidWasteGenerationRate	146.74	712.00
tblSolidWaste	SolidWasteGenerationRate	31.45	2.50
tblSolidWaste	SolidWasteGenerationRate	20.13	0.00
tblSolidWaste	SolidWasteGenerationRate	184.21	14.10
tblSolidWaste	SolidWasteGenerationRate	120.45	80.30
tblTripsAndVMT	VendorTripNumber	136.00	134.00
tblTripsAndVMT	WorkerTripNumber	509.00	505.00

tblTripsAndVMT	WorkerTripNumber	102.00	101.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	4.31	0.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	3.43	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	4.18	0.00
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	127.15	0.00
tblVehicleTrips	WD_TR	8.17	0.00
tblWater	IndoorWaterUseRate	3,127,393.23	2,725,801.00
tblWater	IndoorWaterUseRate	20,784,134.17	18,115,219.00

tblWater	IndoorWaterUseRate	828,647.03	0.00
tblWater	IndoorWaterUseRate	3,847,935.64	2,610,338.00
tblWater	IndoorWaterUseRate	4,698,701.87	7,816,827.00
tblWater	IndoorWaterUseRate	5,580,689.40	10,509,080.00
tblWater	OutdoorWaterUseRate	1,971,617.47	0.00
tblWater	OutdoorWaterUseRate	965,099.89	484,518.00
tblWater	OutdoorWaterUseRate	13,103,041.11	0.00
tblWater	OutdoorWaterUseRate	0.00	73,043.00
tblWater	OutdoorWaterUseRate	52,892.36	0.00
tblWater	OutdoorWaterUseRate	2,358,412.17	0.00
tblWater	OutdoorWaterUseRate	299,917.14	0.00
tblWater	OutdoorWaterUseRate	620,076.60	0.00
tblWater	OutdoorWaterUseRate	0.00	77,104.00
tblWoodstoves	NumberCatalytic	2.40	0.00
tblWoodstoves	NumberCatalytic	15.95	0.00
tblWoodstoves	NumberNoncatalytic	2.40	0.00
tblWoodstoves	NumberNoncatalytic	15.95	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.9822	0.0437	3.7934	2.0000e-004		0.0210	0.0210		0.0210	0.0210	0.0000	6.2062	6.2062	5.9800e-003	0.0000	6.3558
Energy	0.0604	0.5394	0.3885	3.3000e-003		0.0418	0.0418		0.0418	0.0418	0.0000	2,158.1169	2,158.1169	0.0875	0.0267	2,168.2598
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	204.7367	0.0000	204.7367	12.0996	0.0000	507.2265
Water						0.0000	0.0000		0.0000	0.0000	13.2540	148.7169	161.9709	1.3686	0.0336	206.2106
Total	**3.0427**	**0.5831**	**4.1819**	**3.5000e-003**	**0.0000**	**0.0628**	**0.0628**	**0.0000**	**0.0628**	**0.0628**	**217.9907**	**2,313.0400**	**2,531.0306**	**13.5616**	**0.0603**	**2,888.0526**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.9822	0.0437	3.7934	2.0000e-004		0.0210	0.0210		0.0210	0.0210	0.0000	6.2062	6.2062	5.9800e-003	0.0000	6.3558
Energy	0.0604	0.5394	0.3885	3.3000e-003		0.0418	0.0418		0.0418	0.0418	0.0000	2,158.1169	2,158.1169	0.0875	0.0267	2,168.2598
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	49.1368	0.0000	49.1368	2.9039	0.0000	121.7344
Water						0.0000	0.0000		0.0000	0.0000	13.2540	148.7169	161.9709	1.3686	0.0336	206.2106
Total	**3.0427**	**0.5831**	**4.1819**	**3.5000e-003**	**0.0000**	**0.0628**	**0.0628**	**0.0000**	**0.0628**	**0.0628**	**62.3908**	**2,313.0400**	**2,375.4308**	**4.3659**	**0.0603**	**2,502.5604**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**71.38**	**0.00**	**6.15**	**67.81**	**0.00**	**13.35**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Hotel	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
User Defined Parking	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6

Condo/Townhouse High Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Fast Food Restaurant w/o Drive Thru	16.60	8.40	6.90	1.50	79.50	19.00	51	37	12
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down Restaurant)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Parking	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
City Park	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Condo/Townhouse High Rise	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Enclosed Parking with Elevator	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Fast Food Restaurant w/o Drive Thru	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
General Office Building	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
High Turnover (Sit Down Restaurant)	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Hotel	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Other Non-Asphalt Surfaces	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
User Defined Parking	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,560.0822	1,560.0822	0.0760	0.0157	1,566.6712
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,560.0822	1,560.0822	0.0760	0.0157	1,566.6712

NaturalGas Mitigated	0.0604	0.5394	0.3885	3.3000e-003		0.0418	0.0418		0.0418	0.0418	0.0000	598.0347	598.0347	0.0115	0.0110	601.5885
NaturalGas Unmitigated	0.0604	0.5394	0.3885	3.3000e-003		0.0418	0.0418		0.0418	0.0418	0.0000	598.0347	598.0347	0.0115	0.0110	601.5885

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	442413	2.3900e-003	0.0204	8.6700e-003	1.3000e-004		1.6500e-003	1.6500e-003		1.6500e-003	1.6500e-003	0.0000	23.6089	23.6089	4.5000e-004	4.3000e-004	23.7491
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	2.9402e+006	0.0159	0.1355	0.0577	8.6000e-004		0.0110	0.0110		0.0110	0.0110	0.0000	156.9005	156.9005	3.0100e-003	2.8800e-003	157.8329
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	630436	3.4000e-003	0.0309	0.0260	1.9000e-004		2.3500e-003	2.3500e-003		2.3500e-003	2.3500e-003	0.0000	33.6425	33.6425	6.4000e-004	6.2000e-004	33.8424
General Office Building	225356	1.2200e-003	0.0111	9.2800e-003	7.0000e-005		8.4000e-004	8.4000e-004		8.4000e-004	8.4000e-004	0.0000	12.0258	12.0258	2.3000e-004	2.2000e-004	12.0973
High Turnover (Sit Down Restaurant)	3.57263e+006	0.0193	0.1751	0.1471	1.0500e-003		0.0133	0.0133		0.0133	0.0133	0.0000	190.6490	190.6490	3.6500e-003	3.5000e-003	191.7819
Hotel	3.39571e+006	0.0183	0.1665	0.1398	1.0000e-003		0.0127	0.0127		0.0127	0.0127	0.0000	181.2081	181.2081	3.4700e-003	3.3200e-003	182.2850
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0604**	**0.5394**	**0.3885**	**3.3000e-003**		**0.0418**	**0.0418**		**0.0418**	**0.0418**	**0.0000**	**598.0347**	**598.0347**	**0.0115**	**0.0110**	**601.5885**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	442413	2.3900e-003	0.0204	8.6700e-003	1.3000e-004		1.6500e-003	1.6500e-003		1.6500e-003	1.6500e-003	0.0000	23.6089	23.6089	4.5000e-004	4.3000e-004	23.7491
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	2.9402e+006	0.0159	0.1355	0.0577	8.6000e-004		0.0110	0.0110		0.0110	0.0110	0.0000	156.9005	156.9005	3.0100e-003	2.8800e-003	157.8329
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	630436	3.4000e-003	0.0309	0.0260	1.9000e-004		2.3500e-003	2.3500e-003		2.3500e-003	2.3500e-003	0.0000	33.6425	33.6425	6.4000e-004	6.2000e-004	33.8424
General Office Building	225356	1.2200e-003	0.0111	9.2800e-003	7.0000e-005		8.4000e-004	8.4000e-004		8.4000e-004	8.4000e-004	0.0000	12.0258	12.0258	2.3000e-004	2.2000e-004	12.0973
High Turnover (Sit Down Restaurant)	3.57263e+006	0.0193	0.1751	0.1471	1.0500e-003		0.0133	0.0133		0.0133	0.0133	0.0000	190.6490	190.6490	3.6500e-003	3.5000e-003	191.7819
Hotel	3.39571e+006	0.0183	0.1665	0.1398	1.0000e-003		0.0127	0.0127		0.0127	0.0127	0.0000	181.2081	181.2081	3.4700e-003	3.3200e-003	182.2850
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0604**	**0.5394**	**0.3885**	**3.3000e-003**		**0.0418**	**0.0418**		**0.0418**	**0.0418**	**0.0000**	**598.0347**	**598.0347**	**0.0115**	**0.0110**	**601.5885**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	190084	51.3012	2.5000e-003	5.2000e-004	51.5179
City Park	12355	3.3345	1.6000e-004	3.0000e-005	3.3485
Condo/Townhouse High Rise	1.3461e+006	363.2947	0.0177	3.6600e-003	364.8291
Enclosed Parking with Elevator	2.07341e+006	559.5870	0.0273	5.6400e-003	561.9504

Fast Food Restaurant w/o Drive Thru	120590	32.5459	1.5900e-003	3.3000e-004	32.6833
General Office Building	281208	75.8944	3.7000e-003	7.7000e-004	76.2149
High Turnover (Sit Down Restaurant)	683375	184.4345	8.9900e-003	1.8600e-003	185.2134
Hotel	1.07337e+006	289.6900	0.0141	2.9200e-003	290.9136
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**1,560.0822**	**0.0760**	**0.0157**	**1,566.6712**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	190084	51.3012	2.5000e-003	5.2000e-004	51.5179
City Park	12355	3.3345	1.6000e-004	3.0000e-005	3.3485
Condo/Townhouse High Rise	1.3461e+006	363.2947	0.0177	3.6600e-003	364.8291
Enclosed Parking with Elevator	2.07341e+006	559.5870	0.0273	5.6400e-003	561.9504
Fast Food Restaurant w/o Drive Thru	120590	32.5459	1.5900e-003	3.3000e-004	32.6833
General Office Building	281208	75.8944	3.7000e-003	7.7000e-004	76.2149
High Turnover (Sit Down Restaurant)	683375	184.4345	8.9900e-003	1.8600e-003	185.2134
Hotel	1.07337e+006	289.6900	0.0141	2.9200e-003	290.9136
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**1,560.0822**	**0.0760**	**0.0157**	**1,566.6712**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.9822	0.0437	3.7934	2.0000e-004		0.0210	0.0210		0.0210	0.0210	0.0000	6.2062	6.2062	5.9800e-003	0.0000	6.3558
Unmitigated	2.9822	0.0437	3.7934	2.0000e-004		0.0210	0.0210		0.0210	0.0210	0.0000	6.2062	6.2062	5.9800e-003	0.0000	6.3558

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2680					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.5996					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1147	0.0437	3.7934	2.0000e-004		0.0210	0.0210		0.0210	0.0210	0.0000	6.2062	6.2062	5.9800e-003	0.0000	6.3558
Total	**2.9822**	**0.0437**	**3.7934**	**2.0000e-004**		**0.0210**	**0.0210**		**0.0210**	**0.0210**	**0.0000**	**6.2062**	**6.2062**	**5.9800e-003**	**0.0000**	**6.3558**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2680					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.5996					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1147	0.0437	3.7934	2.0000e-004		0.0210	0.0210		0.0210	0.0210	0.0000	6.2062	6.2062	5.9800e-003	0.0000	6.3558
Total	**2.9822**	**0.0437**	**3.7934**	**2.0000e-004**		**0.0210**	**0.0210**		**0.0210**	**0.0210**	**0.0000**	**6.2062**	**6.2062**	**5.9800e-003**	**0.0000**	**6.3558**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	161.9709	1.3686	0.0336	206.2106
Unmitigated	161.9709	1.3686	0.0336	206.2106

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	2.7258 / 0	10.4438	0.0893	2.1900e-003	13.3297
City Park	0 / 0.484518	1.4528	7.0000e-005	1.0000e-005	1.4589
Condo/Townhouse High Rise	18.1152 / 0	69.4077	0.5934	0.0146	88.5872
Enclosed Parking with Elevator	0 / 0.073043	0.2190	1.0000e-005	0.0000	0.2199
Fast Food Restaurant w/o Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	2.61034 / 0	10.0014	0.0855	2.1000e-003	12.7651
High Turnover (Sit Down Restaurant)	7.81683 / 0	29.9499	0.2561	6.2900e-003	38.2259
Hotel	10.5091 / 0	40.2651	0.3442	8.4600e-003	51.3916
Other Non-Asphalt Surfaces	0 / 0.077104	0.2312	1.0000e-005	0.0000	0.2322
User Defined Parking	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**161.9709**	**1.3686**	**0.0336**	**206.2106**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	2.7258 / 0	10.4438	0.0893	2.1900e-003	13.3297
City Park	0 / 0.484518	1.4528	7.0000e-005	1.0000e-005	1.4589
Condo/Townhouse High Rise	18.1152 / 0	69.4077	0.5934	0.0146	88.5872
Enclosed Parking with Elevator	0 / 0.073043	0.2190	1.0000e-005	0.0000	0.2199
Fast Food Restaurant w/o Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	2.61034 / 0	10.0014	0.0855	2.1000e-003	12.7651
High Turnover (Sit Down Restaurant)	7.81683 / 0	29.9499	0.2561	6.2900e-003	38.2259
Hotel	10.5091 / 0	40.2651	0.3442	8.4600e-003	51.3916
Other Non-Asphalt Surfaces	0 / 0.077104	0.2312	1.0000e-005	0.0000	0.2322
User Defined Parking	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**161.9709**	**1.3686**	**0.0336**	**206.2106**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	49.1368	2.9039	0.0000	121.7344
Unmitigated	204.7367	12.0996	0.0000	507.2265

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	43.8	8.8910	0.5254	0.0000	22.0271
City Park	155.9	31.6463	1.8702	0.0000	78.4024
Condo/Townhouse High Rise	712	144.5296	8.5415	0.0000	358.0659
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	2.5	0.5075	0.0300	0.0000	1.2573
General Office Building	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	14.1	2.8622	0.1692	0.0000	7.0909
Hotel	80.3	16.3002	0.9633	0.0000	40.3830
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**204.7367**	**12.0996**	**0.0000**	**507.2265**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	10.512	2.1338	0.1261	0.0000	5.2865
City Park	37.416	7.5951	0.4489	0.0000	18.8166
Condo/Townhouse High Rise	170.88	34.6871	2.0500	0.0000	85.9358
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	0.6	0.1218	7.2000e-003	0.0000	0.3017
General Office Building	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	3.384	0.6869	0.0406	0.0000	1.7018
Hotel	19.272	3.9120	0.2312	0.0000	9.6919
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**49.1368**	**2.9039**	**0.0000**	**121.7344**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Hollywood Center- East Site (Res and Hotel) - Operations

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	21.65	1000sqft	0.10	21,648.00	0
Enclosed Parking with Elevator	684.00	Space	0.80	353,824.00	0
Other Non-Asphalt Surfaces	15.95	1000sqft	0.10	15,950.00	0
User Defined Parking	1.63	User Defined Unit	0.14	1,627.00	0
City Park	0.81	Acre	0.10	35,300.00	0
Fast Food Restaurant w/o Drive Thru	2.73	1000sqft	0.10	2,732.00	0
High Turnover (Sit Down Restaurant)	15.48	1000sqft	0.10	15,482.00	0
Hotel	220.00	Room	0.30	141,606.00	0
Apartments Mid Rise	48.00	Dwelling Unit	0.30	51,898.00	137
Condo/Townhouse High Rise	319.00	Dwelling Unit	0.65	444,100.00	912

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2027
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	595	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor: California Air Resources Board, Statewide Emission Factors (EF) For Use With AB 900 Projects (Jan 2017).

Land Use - see operational assumptions

Vehicle Trips - see operational assumptions. VMT and trips provided by traffic study.

Woodstoves - see operational assumptions

Energy Use - see operational assumptions. Lighting energy intensity of Parking Lot land use used as surrogate for public open space lighting energy intensity.

Water And Wastewater - see water demand spreadsheet and water supply assessment

Solid Waste - see operational assumptions

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	108,384.00	106,734.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	325,152.00	320,202.00
tblArchitecturalCoating	ConstArea_Parking	22,284.00	21,934.00
tblAreaCoating	Area_Nonresidential_Exterior	108384	116359
tblAreaCoating	Area_Nonresidential_Interior	325152	349077
tblAreaCoating	Area_Parking	22284	21327
tblEnergyUse	LightingElect	0.00	0.35
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
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tblFireplaces	NumberNoFireplace	4.80	0.00
tblFireplaces	NumberNoFireplace	31.90	0.00
tblFireplaces	NumberWood	2.40	0.00

tblFireplaces	NumberWood	15.95	0.00
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tblLandUse	LandUseSquareFeet	273,600.00	353,824.00
tblLandUse	LandUseSquareFeet	0.00	1,627.00
tblLandUse	LandUseSquareFeet	35,283.60	35,300.00
tblLandUse	LandUseSquareFeet	2,730.00	2,732.00
tblLandUse	LandUseSquareFeet	15,480.00	15,482.00
tblLandUse	LandUseSquareFeet	319,440.00	141,606.00
tblLandUse	LandUseSquareFeet	48,000.00	51,898.00
tblLandUse	LandUseSquareFeet	319,000.00	444,100.00
tblLandUse	LotAcreage	0.50	0.10
tblLandUse	LotAcreage	6.16	0.80
tblLandUse	LotAcreage	0.37	0.10
tblLandUse	LotAcreage	0.00	0.14
tblLandUse	LotAcreage	0.81	0.10
tblLandUse	LotAcreage	0.06	0.10
tblLandUse	LotAcreage	0.36	0.10
tblLandUse	LotAcreage	7.33	0.30
tblLandUse	LotAcreage	1.26	0.30
tblLandUse	LotAcreage	4.98	0.65
tblProjectCharacteristics	CO2IntensityFactor	1227.89	595
tblSolidWaste	SolidWasteGenerationRate	22.08	43.80
tblSolidWaste	SolidWasteGenerationRate	0.07	155.90
tblSolidWaste	SolidWasteGenerationRate	146.74	712.00
tblSolidWaste	SolidWasteGenerationRate	31.45	2.50
tblSolidWaste	SolidWasteGenerationRate	20.13	0.00
tblSolidWaste	SolidWasteGenerationRate	184.21	14.10
tblSolidWaste	SolidWasteGenerationRate	120.45	80.30
tblTripsAndVMT	VendorTripNumber	136.00	134.00
tblTripsAndVMT	WorkerTripNumber	509.00	505.00

tblTripsAndVMT	WorkerTripNumber	102.00	101.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TL	14.70	0.00
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tblVehicleTrips	SU_TR	5.86	0.00
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tblVehicleTrips	SU_TR	131.84	0.00
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tblVehicleTrips	WD_TR	127.15	0.00
tblVehicleTrips	WD_TR	8.17	0.00
tblWater	IndoorWaterUseRate	3,127,393.23	2,725,801.00
tblWater	IndoorWaterUseRate	20,784,134.17	18,115,219.00

tblWater	IndoorWaterUseRate	828,647.03	0.00
tblWater	IndoorWaterUseRate	3,847,935.64	2,610,338.00
tblWater	IndoorWaterUseRate	4,698,701.87	7,816,827.00
tblWater	IndoorWaterUseRate	5,580,689.40	10,509,080.00
tblWater	OutdoorWaterUseRate	1,971,617.47	0.00
tblWater	OutdoorWaterUseRate	965,099.89	484,518.00
tblWater	OutdoorWaterUseRate	13,103,041.11	0.00
tblWater	OutdoorWaterUseRate	0.00	73,043.00
tblWater	OutdoorWaterUseRate	52,892.36	0.00
tblWater	OutdoorWaterUseRate	2,358,412.17	0.00
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tblWater	OutdoorWaterUseRate	620,076.60	0.00
tblWater	OutdoorWaterUseRate	0.00	77,104.00
tblWoodstoves	NumberCatalytic	2.40	0.00
tblWoodstoves	NumberCatalytic	15.95	0.00
tblWoodstoves	NumberNoncatalytic	2.40	0.00
tblWoodstoves	NumberNoncatalytic	15.95	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.9822	0.0437	3.7934	2.0000e-004		0.0210	0.0210		0.0210	0.0210	0.0000	6.2062	6.2062	5.9800e-003	0.0000	6.3558
Energy	0.0604	0.5394	0.3885	3.3000e-003		0.0418	0.0418		0.0418	0.0418	0.0000	2,158.1169	2,158.1169	0.0875	0.0267	2,168.2598
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	204.7367	0.0000	204.7367	12.0996	0.0000	507.2265
Water						0.0000	0.0000		0.0000	0.0000	13.2540	148.7169	161.9709	1.3686	0.0336	206.2106
Total	**3.0427**	**0.5831**	**4.1819**	**3.5000e-003**	**0.0000**	**0.0628**	**0.0628**	**0.0000**	**0.0628**	**0.0628**	**217.9907**	**2,313.0400**	**2,531.0306**	**13.5616**	**0.0603**	**2,888.0526**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.9822	0.0437	3.7934	2.0000e-004		0.0210	0.0210		0.0210	0.0210	0.0000	6.2062	6.2062	5.9800e-003	0.0000	6.3558
Energy	0.0604	0.5394	0.3885	3.3000e-003		0.0418	0.0418		0.0418	0.0418	0.0000	2,158.1169	2,158.1169	0.0875	0.0267	2,168.2598
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	49.1368	0.0000	49.1368	2.9039	0.0000	121.7344
Water						0.0000	0.0000		0.0000	0.0000	13.2540	148.7169	161.9709	1.3686	0.0336	206.2106
Total	**3.0427**	**0.5831**	**4.1819**	**3.5000e-003**	**0.0000**	**0.0628**	**0.0628**	**0.0000**	**0.0628**	**0.0628**	**62.3908**	**2,313.0400**	**2,375.4308**	**4.3659**	**0.0603**	**2,502.5604**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**71.38**	**0.00**	**6.15**	**67.81**	**0.00**	**13.35**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Hotel	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
User Defined Parking	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	0.00	0.00	0.00	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Fast Food Restaurant w/o Drive Thru	16.60	8.40	6.90	1.50	79.50	19.00	51	37	12

General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down Restaurant)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Parking	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
City Park	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Condo/Townhouse High Rise	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Enclosed Parking with Elevator	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Fast Food Restaurant w/o Drive Thru	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
General Office Building	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
High Turnover (Sit Down Restaurant)	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Hotel	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
Other Non-Asphalt Surfaces	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827
User Defined Parking	0.543646	0.044284	0.209381	0.116714	0.014227	0.006316	0.021040	0.033117	0.002601	0.001862	0.005277	0.000709	0.000827

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,560.0822	1,560.0822	0.0760	0.0157	1,566.6712
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,560.0822	1,560.0822	0.0760	0.0157	1,566.6712
NaturalGas Mitigated	0.0604	0.5394	0.3885	3.3000e-003		0.0418	0.0418		0.0418	0.0418	0.0000	598.0347	598.0347	0.0115	0.0110	601.5885
NaturalGas Unmitigated	0.0604	0.5394	0.3885	3.3000e-003		0.0418	0.0418		0.0418	0.0418	0.0000	598.0347	598.0347	0.0115	0.0110	601.5885

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	442413	2.3900e-003	0.0204	8.6700e-003	1.3000e-004		1.6500e-003	1.6500e-003		1.6500e-003	1.6500e-003	0.0000	23.6089	23.6089	4.5000e-004	4.3000e-004	23.7491
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	2.9402e+006	0.0159	0.1355	0.0577	8.6000e-004		0.0110	0.0110		0.0110	0.0110	0.0000	156.9005	156.9005	3.0100e-003	2.8800e-003	157.8329
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive-Thru	630436	3.4000e-003	0.0309	0.0260	1.9000e-004		2.3500e-003	2.3500e-003		2.3500e-003	2.3500e-003	0.0000	33.6425	33.6425	6.4000e-004	6.2000e-004	33.8424
General Office Building	225356	1.2200e-003	0.0111	9.2800e-003	7.0000e-005		8.4000e-004	8.4000e-004		8.4000e-004	8.4000e-004	0.0000	12.0258	12.0258	2.3000e-004	2.2000e-004	12.0973
High Turnover (Sit Down Restaurant)	3.57263e+006	0.0193	0.1751	0.1471	1.0500e-003		0.0133	0.0133		0.0133	0.0133	0.0000	190.6490	190.6490	3.6500e-003	3.5000e-003	191.7819
Hotel	3.39571e+006	0.0183	0.1665	0.1398	1.0000e-003		0.0127	0.0127		0.0127	0.0127	0.0000	181.2081	181.2081	3.4700e-003	3.3200e-003	182.2850
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0604**	**0.5394**	**0.3885**	**3.3000e-003**		**0.0418**	**0.0418**		**0.0418**	**0.0418**	**0.0000**	**598.0347**	**598.0347**	**0.0115**	**0.0110**	**601.5885**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	442413	2.3900e-003	0.0204	8.6700e-003	1.3000e-004		1.6500e-003	1.6500e-003		1.6500e-003	1.6500e-003	0.0000	23.6089	23.6089	4.5000e-004	4.3000e-004	23.7491
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	2.9402e+006	0.0159	0.1355	0.0577	8.6000e-004		0.0110	0.0110		0.0110	0.0110	0.0000	156.9005	156.9005	3.0100e-003	2.8800e-003	157.8329
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Fast Food Restaurant w/o Drive Thru	630436	3.4000e-003	0.0309	0.0260	1.9000e-004		2.3500e-003	2.3500e-003		2.3500e-003	2.3500e-003	0.0000	33.6425	33.6425	6.4000e-004	6.2000e-004	33.8424
General Office Building	225356	1.2200e-003	0.0111	9.2800e-003	7.0000e-005		8.4000e-004	8.4000e-004		8.4000e-004	8.4000e-004	0.0000	12.0258	12.0258	2.3000e-004	2.2000e-004	12.0973
High Turnover (Sit Down Restaurant)	3.57263e+006	0.0193	0.1751	0.1471	1.0500e-003		0.0133	0.0133		0.0133	0.0133	0.0000	190.6490	190.6490	3.6500e-003	3.5000e-003	191.7819
Hotel	3.39571e+006	0.0183	0.1665	0.1398	1.0000e-003		0.0127	0.0127		0.0127	0.0127	0.0000	181.2081	181.2081	3.4700e-003	3.3200e-003	182.2850
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0604**	**0.5394**	**0.3885**	**3.3000e-003**		**0.0418**	**0.0418**		**0.0418**	**0.0418**	**0.0000**	**598.0347**	**598.0347**	**0.0115**	**0.0110**	**601.5885**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	190084	51.3012	2.5000e-003	5.2000e-004	51.5179
City Park	12355	3.3345	1.6000e-004	3.0000e-005	3.3485
Condo/Townhouse High Rise	1.3461e+006	363.2947	0.0177	3.6600e-003	364.8291
Enclosed Parking with Elevator	2.07341e+006	559.5870	0.0273	5.6400e-003	561.9504
Fast Food Restaurant w/o Drive Thru	120590	32.5459	1.5900e-003	3.3000e-004	32.6833
General Office Building	281208	75.8944	3.7000e-003	7.7000e-004	76.2149
High Turnover (Sit Down Restaurant)	683375	184.4345	8.9900e-003	1.8600e-003	185.2134
Hotel	1.07337e+006	289.6900	0.0141	2.9200e-003	290.9136
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**1,560.0822**	**0.0760**	**0.0157**	**1,566.6712**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	190084	51.3012	2.5000e-003	5.2000e-004	51.5179
City Park	12355	3.3345	1.6000e-004	3.0000e-005	3.3485
Condo/Townhouse High Rise	1.3461e+006	363.2947	0.0177	3.6600e-003	364.8291
Enclosed Parking with Elevator	2.07341e+006	559.5870	0.0273	5.6400e-003	561.9504
Fast Food Restaurant w/o Drive Thru	120590	32.5459	1.5900e-003	3.3000e-004	32.6833
General Office Building	281208	75.8944	3.7000e-003	7.7000e-004	76.2149
High Turnover (Sit Down Restaurant)	683375	184.4345	8.9900e-003	1.8600e-003	185.2134
Hotel	1.07337e+006	289.6900	0.0141	2.9200e-003	290.9136
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**1,560.0822**	**0.0760**	**0.0157**	**1,566.6712**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.9822	0.0437	3.7934	2.0000e-004		0.0210	0.0210		0.0210	0.0210	0.0000	6.2062	6.2062	5.9800e-003	0.0000	6.3558
Unmitigated	2.9822	0.0437	3.7934	2.0000e-004		0.0210	0.0210		0.0210	0.0210	0.0000	6.2062	6.2062	5.9800e-003	0.0000	6.3558

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2680					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.5996					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1147	0.0437	3.7934	2.0000e-004		0.0210	0.0210		0.0210	0.0210	0.0000	6.2062	6.2062	5.9800e-003	0.0000	6.3558
Total	**2.9822**	**0.0437**	**3.7934**	**2.0000e-004**		**0.0210**	**0.0210**		**0.0210**	**0.0210**	**0.0000**	**6.2062**	**6.2062**	**5.9800e-003**	**0.0000**	**6.3558**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2680					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.5996					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1147	0.0437	3.7934	2.0000e-004		0.0210	0.0210		0.0210	0.0210	0.0000	6.2062	6.2062	5.9800e-003	0.0000	6.3558
Total	**2.9822**	**0.0437**	**3.7934**	**2.0000e-004**		**0.0210**	**0.0210**		**0.0210**	**0.0210**	**0.0000**	**6.2062**	**6.2062**	**5.9800e-003**	**0.0000**	**6.3558**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	161.9709	1.3686	0.0336	206.2106
Unmitigated	161.9709	1.3686	0.0336	206.2106

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	2.7258 / 0	10.4438	0.0893	2.1900e-003	13.3297
City Park	0 / 0.484518	1.4528	7.0000e-005	1.0000e-005	1.4589
Condo/Townhouse High Rise	18.1152 / 0	69.4077	0.5934	0.0146	88.5872
Enclosed Parking with Elevator	0 / 0.073043	0.2190	1.0000e-005	0.0000	0.2199
Fast Food Restaurant w/o Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	2.61034 / 0	10.0014	0.0855	2.1000e-003	12.7651
High Turnover (Sit Down Restaurant)	7.81683 / 0	29.9499	0.2561	6.2900e-003	38.2259
Hotel	10.5091 / 0	40.2651	0.3442	8.4600e-003	51.3916

Other Non-Asphalt Surfaces	0 / 0.077104	0.2312	1.0000e-005	0.0000	0.2322
User Defined Parking	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**161.9709**	**1.3686**	**0.0336**	**206.2106**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	2.7258 / 0	10.4438	0.0893	2.1900e-003	13.3297
City Park	0 / 0.484518	1.4528	7.0000e-005	1.0000e-005	1.4589
Condo/Townhouse High Rise	18.1152 / 0	69.4077	0.5934	0.0146	88.5872
Enclosed Parking with Elevator	0 / 0.073043	0.2190	1.0000e-005	0.0000	0.2199
Fast Food Restaurant w/o Drive Thru	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	2.61034 / 0	10.0014	0.0855	2.1000e-003	12.7651
High Turnover (Sit Down Restaurant)	7.81683 / 0	29.9499	0.2561	6.2900e-003	38.2259
Hotel	10.5091 / 0	40.2651	0.3442	8.4600e-003	51.3916
Other Non-Asphalt Surfaces	0 / 0.077104	0.2312	1.0000e-005	0.0000	0.2322
User Defined Parking	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**161.9709**	**1.3686**	**0.0336**	**206.2106**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	49.1368	2.9039	0.0000	121.7344
Unmitigated	204.7367	12.0996	0.0000	507.2265

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	43.8	8.8910	0.5254	0.0000	22.0271
City Park	155.9	31.6463	1.8702	0.0000	78.4024
Condo/Townhouse High Rise	712	144.5296	8.5415	0.0000	358.0659
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	2.5	0.5075	0.0300	0.0000	1.2573
General Office Building	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	14.1	2.8622	0.1692	0.0000	7.0909
Hotel	80.3	16.3002	0.9633	0.0000	40.3830
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**204.7367**	**12.0996**	**0.0000**	**507.2265**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	10.512	2.1338	0.1261	0.0000	5.2865
City Park	37.416	7.5951	0.4489	0.0000	18.8166
Condo/Townhouse High Rise	170.88	34.6871	2.0500	0.0000	85.9358
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	0.6	0.1218	7.2000e-003	0.0000	0.3017
General Office Building	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	3.384	0.6869	0.0406	0.0000	1.7018
Hotel	19.272	3.9120	0.2312	0.0000	9.6919
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		**49.1368**	**2.9039**	**0.0000**	**121.7344**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Hollywood Center Project - Project Without GHG Reduction Characteristics, Features, and Measures
Air Quality Assessment
Operational Mobile Emissions
ALL RESIDENTIAL SCENARIO

		GHG Emissions (metric tons/mile)				GHG Emissions (metric tons/year)			
Year	**Max Daily VMT**	**CO2**	**CH4**	**N2O**	**CO2e**	**CO2**	**CH4**	**N2O**	**CO2e**
						1	*25*	*298*	
2024	16,281	3.56E-04	2.34E-08	1.88E-08	3.62E-04	2,113.72	0.14	0.11	2,151
2025	34,849	3.45E-04	2.27E-08	1.83E-08	3.51E-04	4,394.08	0.29	0.23	4,471
2026	34,849	3.37E-04	2.22E-08	1.80E-08	3.43E-04	4,282.38	0.28	0.23	4,358
2027	34,849	3.29E-04	2.17E-08	1.76E-08	3.34E-04	4,180.77	0.28	0.22	4,254

Sources: Fehr and Peers, 2020; EMFAC2017; ESA 2020

Hollywood Center Project - Project Without GHG Reduction Characteristics, Features, and Measures
Air Quality Assessment
Operational Mobile Emissions
HOTEL SCENARIO

		GHG Emissions (metric tons/mile)				GHG Emissions (metric tons/year)			
Year	**Max Daily VMT**	**CO2**	**CH4**	**N2O**	**CO2e**	**CO2**	**CH4**	**N2O**	**CO2e**
						1	*25*	*298*	
2024	16,281	3.56E-04	2.34E-08	1.88E-08	3.62E-04	2,113.72	0.14	0.11	2,151
2025	41,157	3.45E-04	2.27E-08	1.83E-08	3.51E-04	5,189.54	0.34	0.28	5,280
2026	41,157	3.37E-04	2.22E-08	1.80E-08	3.43E-04	5,057.61	0.33	0.27	5,146
2027	41,157	3.29E-04	2.17E-08	1.76E-08	3.34E-04	4,937.60	0.33	0.26	5,025

Sources: Fehr and Peers, 2020; EMFAC2017; ESA 2020

Hollywood Center Project

Air Quality and Greenhouse Gas Assessment

Emergency Generator Emissions

updated: 6/3/2019

Conversion Factors

CO2 g/gal	10.21	Climate Registry, Table 13.1: https://www.theclimateregistry.org
CH4 g/gal	0.58	Climate Registry, Table 13.7: https://www.theclimateregistry.org
N2O g/gal	0.26	Climate Registry, Table 13.7: https://www.theclimateregistry.org
GWP CH4	25	IPCC AR4
GWP N2O	298	IPCC AR4
CO2e g/gal	10,302	
CO2 g/gal	10,210	
CO2/CO2e	0.9911	

West Tower Emergency Generator

Ratings:	1,500	kW	*(based on engineering assumptio*
	2,012	HP	*(based on engineering assumptio*
		kW	*(based on engineering assumptio*
	-	HP	*(conversion from kW to hp)*
Load Factor:	0.74		*(based on CalEEMod Generator S*
Engine Emissions Tier:	Rule 1470 Compliant		*(compliance with CARB and AQM*
Operating Hours per Unit:	2	hours/day	*(testing/maintenance)*
	50	hours/year	*(testing/maintenance, Regulator*

East Tower Emergency Generator

Ratings:	1,500	kW	*(based on engineering assumptio*
	2,012	HP	*(based on engineering assumptio*
		kW	*(based on engineering assumptio*
	-	HP	*(conversion from kW to hp)*
Load Factor:	0.74		*(based on CalEEMod Generator S*
Engine Emissions Tier:	Rule 1470 Compliant		*(compliance with CARB and AQM*
Operating Hours per Unit:	2	hours/day	*(testing/maintenance)*
	50	hours/year	*(testing/maintenance, Regulator*

Emergency Generator Emissions - West Tower

Units	Greenhouse Gases [1]	
	CO_2	CO_2e
g/kW-hr	—	—
g/HP-hr	526.17	530.91
lbs/hr	1727.10	1,742.66
lbs/day	3,454.20	3,485.32
lbs/yr	86,355.04	87,133.00
tons/yr	43.18	43.57
metric tons/yr	**39.17**	**39.52**

Emergency Generator Emissions - East Tower

Units	Greenhouse Gases [1]	
	CO_2	CO_2e
g/kW-hr	—	—
g/HP-hr	526.17	530.91
lbs/hr	1727.10	1742.66
lbs/day	3454.20	3485.32
lbs/yr	86355.04	87133.00
tons/yr	43.18	43.57
metric tons/yr	**39.17**	**39.52**

Total Emergency Generator Emissions

Units	Greenhouse Gases [1]	
	CO_2	CO_2e
lbs/hr	3454.20	3485.32
lbs/day	6908.40	6970.64
lbs/yr	172710.08	174265.99
tons/yr	86.36	87.13
metric tons/yr	**78.34**	**79.05**

Notes:

1. Emission factor for CO2: U.S. Environmental Protection Agency, AP-42 Compilation of Air Pollutant Emission Factors, Fifth Edition, Sectio
   Emissions of GHGs assume 99.11% of the CO2e emissions occur as CO2, which is typical for off-road diesel engines.
   Power ratings provided by Millenium Partners and affiliated contractor in email from January 11, 2018.

Source: Millennium Partners, 2018. ESA, 2018.

Hollywood Center EIR
Cooling Towers - All Residential - Project Without GHG ReductionCharacteristics, Features, and Measures
Greenhouse Gas Analysis - 2024,2025,2027

Cooling Towers Daily Emissions

63,288	gal/day
23,100,120	gal/year
23.1001	mgal/year

CalEEMod Water Electricity Factors	Electricity Intensity Factor To Supply (kWh/Mgal)	Electricity Intensity Factor To Treat (kWh/Mgal)	Electricity Intensity Factor To Distribute (kWh/Mgal)	Electricity Intensity Factor For Wastewater Treatment (kWh/Mgal)
	9727	111	1272	1911

		GHG Emissions (lbs/yr)				
Source	**Electricity Demand from Water Demand (million kWh)**	**CO2**	**CH4**	**N20**	**CO2e**	**MTCO2e (MT/yr)**
Cooling Tower	0.3008	178,968	8.72	1.80	179,724	81.5
					West	41.1
					East	40.4

GHG	Intensity factor (lbs/MWh)
CO2	595
CH4	0.029
N2O	0.006

Hollywood Center EIR
Cooling Tower - Hotel Option - Project Without GHG ReductionCharacteristics, Features, and Measures
Greenhouse Gas Analysis - 2024,2025,2027

Cooling Towers Daily Emissions

64,911	gal/day
23,692,515	gal/year
23.6925	mgal/year

CalEEMod Water Electricity Factors	Electricity Intensity Factor To Supply (kWh/Mgal)	Electricity Intensity Factor To Treat (kWh/Mgal)	Electricity Intensity Factor To Distribute (kWh/Mgal)	Electricity Intensity Factor For Wastewater Treatment (kWh/Mgal)
	9727	111	1272	1911

		GHG Emissions (lbs/yr)				
Source	**Electricity Demand from Water Demand (million kWh)**	**CO2**	**CH4**	**N20**	**CO2e**	**MTCO2e (MT/yr)**
Cooling Tower	0.3085	183,558	8.95	1.85	184,333	83.6
					West	41.1
					East	42.5

GHG	Intensity factor (lbs/MWh)
CO2	595
CH4	0.029
N2O	0.006

Hollywood Center Project

4. Construction Health Risk Assessment Worksheets

1. Unmitigated Construction Health Risk Assessment Modeling Worksheets

2. Mitigated Construction Health Risk Assessment Modeling Worksheets

Off-Road Heavy-Duty Constuction Equipment Emission Rates

	Construction Activity	Equipment Type	Start Date	End Date	Work Days by Activity (days)	Work Hours per Day (hours/day)	Daily DPM Emissions [a] (pounds/day)	Emissions Rate during Work Period (grams/second)
West Site								
	Demolition - 2021	Off-Road Heavy-Duty	1/4/2021	3/1/2021	49	8	0.8902	
	Utilities/Trenching - 2021	Off-Road Heavy-Duty	1/14/2021	2/3/2021	18	8	0.4104	
	Site Preparation - 2021	Off-Road Heavy-Duty	2/1/2021	2/28/2021	24	8	0.2333	
	Grading - 2021	Off-Road Heavy-Duty	2/11/2021	12/31/2021	278	8	0.9338	
	Grading - 2022	Off-Road Heavy-Duty	1/1/2022	1/2/2022	1	8	0.7641	
	Foundations/Concrete Pour - 2022 (Shoring Wall)	Off-Road Heavy-Duty	1/3/2022	1/24/2022	19	8	0.4506	
	Foundations/Concrete Pour - 2022 (Cast in Drilled Hole Foundation)	Off-Road Heavy-Duty	1/3/2022	2/18/2022	41	8	0.4506	
	Foundations/Concrete Pour - 2022 (Mat Foundation)	Off-Road Heavy-Duty	2/19/2022	2/20/2022	1	14	0.5449	
	Foundations/Concrete Pour - 2022 (Column Footings)	Off-Road Heavy-Duty	2/21/2022	2/24/2022	4	8	0.4506	
	Foundations - 2022	Off-Road Heavy-Duty	2/25/2022	2/28/2022	3	8	0.0000	
	Building Construction - 2022 (Structure Equipment Garage)	Off-Road Heavy-Duty	3/1/2022	4/29/2022	52	8	0.6790	
	Building Construction - 2022 (Structure Equipment Tower)	Off-Road Heavy-Duty	4/30/2022	6/17/2022	42	8	0.6790	
	Building Construction - 2022 (Structure Equipment Affordable)	Off-Road Heavy-Duty	6/18/2022	7/13/2022	22	8	0.6790	
	Building Construction - 2022 (Retail)	Off-Road Heavy-Duty	7/14/2022	7/15/2022	2	8	0.6790	
	Building Construction - 2022	Off-Road Heavy-Duty	7/16/2022	12/31/2022	145	8	0.6790	
	Building Construction - 2023	Off-Road Heavy-Duty	1/1/2023	12/31/2023	312	8	0.5934	
	Building Construction - 2024	Off-Road Heavy-Duty	1/1/2024	3/14/2024	64	8	0.5239	
	Architectural Coating - 2022	Off-Road Heavy-Duty	10/22/2022	12/31/2022	61	8	0.1962	
	Architectural Coating - 2023	Off-Road Heavy-Duty	1/1/2023	12/31/2023	312	8	0.1711	
	Architectural Coating - 2024	Off-Road Heavy-Duty	1/1/2024	1/31/2024	27	8	0.1495	
	Paving - 2023	Off-Road Heavy-Duty	7/6/2023	10/2/2023	76	8	1.0570	
East Site								
	Site Preparation - 2022	Off-Road Heavy-Duty	3/1/2022	3/31/2022	27	8	0.1874	
	Utilities/Trenching - 2022	Off-Road Heavy-Duty	3/15/2022	3/26/2022	11	8	0.7641	
	Grading - 2022	Off-Road Heavy-Duty	3/15/2022	12/31/2022	251	8	0.6775	
	Grading - 2023	Off-Road Heavy-Duty	1/1/2023	1/10/2023	8	8	0.3493	
	Foundations/Concrete Pour (Shoring Wall) - 2023	Off-Road Heavy-Duty	1/11/2023	1/29/2023	16	8	0.3752	
	Foundations/Concrete Pour (Cast In Drilled Hole Foundation) - 2023	Off-Road Heavy-Duty	1/11/2023	2/14/2023	30	8	0.3752	
	Foundations/Concrete Pour (Mat Foundation)- 2023	Off-Road Heavy-Duty	2/15/2023	2/15/2023	1	11	0.3708	
	Foundations/Concrete Pour (Column Footings) - 2023	Off-Road Heavy-Duty	2/16/2023	2/20/2023	4	8	0.3752	
	Foundations - 2023	Off-Road Heavy-Duty	2/21/2023	2/26/2023	5	8	0.3752	
	Building Construction - 2023 (Structure Equipment Garage)	Off-Road Heavy-Duty	2/27/2023	5/4/2023	58	8	0.5934	
	Building Construction - 2023 (Structure Equipment Tower)	Off-Road Heavy-Duty	5/5/2023	8/8/2023	82	8	0.5934	
	Building Construction - 2023 (Structure Equipment Affordable)	Off-Road Heavy-Duty	8/9/2023	8/29/2023	18	8	0.5934	
	Building Construction - 2023 (Retail)	Off-Road Heavy-Duty	8/30/2023	9/1/2023	3	8	0.5934	
	Building Construction - 2023	Off-Road Heavy-Duty	9/2/2023	12/31/2023	103	8	0.5934	
	Building Construction - 2024	Off-Road Heavy-Duty	1/1/2024	12/31/2024	314	8	0.5239	
	Building Construction - 2025	Off-Road Heavy-Duty	1/1/2025	6/22/2025	148	8	0.4586	
	Architectural Coating - 2023	Off-Road Heavy-Duty	10/14/2023	12/31/2023	67	8	0.1711	
	Architectural Coating - 2024	Off-Road Heavy-Duty	1/1/2024	12/31/2024	314	8	0.1495	
	Architectural Coating - 2025	Off-Road Heavy-Duty	1/1/2025	1/23/2025	20	8	0.1298	
	Paving - 2024	Off-Road Heavy-Duty	7/12/2024	10/10/2024	78	8	0.6650	
Site Schedule Overlap								
			4/6/2021	4/6/2023	730			
WS	Demolition - 2021	Off-Road Heavy-Duty	1/4/2021	1/5/2021	2	8	0.8902	1.40E-02
WS	Demolition - 2021	Off-Road Heavy-Duty	1/6/2021	1/13/2021	7	8	0.8902	1.40E-02
WS	Demolition - 2021	Off-Road Heavy-Duty	1/14/2021	1/31/2021	15	8	0.8902	1.40E-02
	Utilities/Trenching - 2021	Off-Road Heavy-Duty	1/14/2021	1/31/2021	15	8	0.4104	6.46E-03
								2.05E-02
WS	Demolition - 2021	Off-Road Heavy-Duty	2/1/2021	2/3/2021	3	8	0.8902	1.40E-02
	Utilities/Trenching - 2021	Off-Road Heavy-Duty	2/1/2021	2/3/2021	3	8	0.4104	6.46E-03
	Site Preparation - 2021	Off-Road Heavy-Duty	2/1/2021	2/3/2021	3	8	0.2333	3.67E-03
								2.42E-02
WS	Demolition - 2021	Off-Road Heavy-Duty	2/4/2021	2/10/2021	6	8	0.8902	1.40E-02
	Site Preparation - 2021	Off-Road Heavy-Duty	2/4/2021	2/10/2021	6	8	0.2333	3.67E-03
								1.77E-02
WS	Demolition - 2021	Off-Road Heavy-Duty	2/11/2021	2/28/2021	15	8	0.8902	1.40E-02
	Site Preparation - 2021	Off-Road Heavy-Duty	2/11/2021	2/28/2021	15	8	0.2333	3.67E-03
	Grading - 2021	Off-Road Heavy-Duty	2/11/2021	2/28/2021	15	8	0.9338	1.47E-02
								3.24E-02
WS	Demolition - 2021	Off-Road Heavy-Duty	3/1/2021	3/1/2021	1	8	0.8902	1.40E-02
	Grading - 2021	Off-Road Heavy-Duty	3/1/2021	3/1/2021	1	8	0.9338	1.47E-02
								2.87E-02
WS	Grading - 2021	Off-Road Heavy-Duty	3/1/2021	10/11/2021	193	8	0.9338	1.47E-02
WS	Grading - 2021	Off-Road Heavy-Duty	10/12/2021	12/31/2021	70	8	0.9338	1.47E-02
WS	Grading - 2022	Off-Road Heavy-Duty	1/1/2022	1/2/2022	1	8	0.7641	1.20E-02
WS	Foundations/Concrete Pour - 2022 (Shoring Wall)	Off-Road Heavy-Duty	1/3/2022	1/24/2022	19	8	0.4506	7.10E-03
	Foundations/Concrete Pour - 2022 (Cast in Drilled Hole Foundation)	Off-Road Heavy-Duty	1/3/2022	1/24/2022	19	8	0.4506	7.10E-03
								1.42E-02
WS	Foundations/Concrete Pour - 2022 (Cast in Drilled Hole Foundation)	Off-Road Heavy-Duty	1/25/2022	2/18/2022	22	8	0.4506	7.10E-03
WS	Foundations/Concrete Pour - 2022 (Mat Foundation)	Off-Road Heavy-Duty	2/19/2022	2/20/2022	1	14	0.5449	4.90E-03
WS	Foundations/Concrete Pour - 2022 (Column Footings)	Off-Road Heavy-Duty	2/21/2022	2/24/2022	4	8	0.4506	7.10E-03
WS	Foundations - 2022	Off-Road Heavy-Duty	2/25/2022	2/28/2022	3	8	0.0000	0.00E+00
WS	Building Construction - 2022 (Structure Equipment Garage)	Off-Road Heavy-Duty	3/1/2022	3/2/2022	2	8	0.6790	1.07E-02
ES	Site Preparation - 2022	Off-Road Heavy-Duty	3/1/2022	3/2/2022	2	8	0.1874	2.95E-03
								1.36E-02
WS	Building Construction - 2022 (Structure Equipment Garage)	Off-Road Heavy-Duty	3/3/2022	3/14/2022	10	8	0.6790	1.07E-02
ES	Site Preparation - 2022	Off-Road Heavy-Duty	3/3/2022	3/14/2022	10	8	0.1874	2.95E-03
WS	Building Construction - 2022 (Structure Equipment Garage)	Off-Road Heavy-Duty	3/15/2022	3/26/2022	11	8	0.6790	1.07E-02
ES	Site Preparation - 2022	Off-Road Heavy-Duty	3/15/2022	3/26/2022	11	8	0.1874	2.95E-03
	Utilities/Trenching - 2022	Off-Road Heavy-Duty	3/15/2022	3/26/2022	11	8	0.7641	1.20E-02
	Grading - 2022	Off-Road Heavy-Duty	3/15/2022	3/26/2022	11	8	0.6775	1.07E-02
								2.57E-02

Row Number		Emissions Rate During Work Period (grams/sec) weighted contribution over a year			
	1	8.96E-05	Due to heavy duty trucks difference		
			Year 1		1-9
	2	3.14E-04		0.0160	WS
	3	6.72E-04			
		3.10E-04			
63					
	4	1.34E-04			
		6.20E-05			
		3.52E-05			
68					
	5	2.69E-04			
		7.04E-05			
72					
	6	6.72E-04			
		1.76E-04			
		7.05E-04			
77					
	7	4.48E-05			
		4.70E-05			
81					
83	8	9.07E-03			
85	9	3.29E-03			
87	10	3.84E-05	Year 2		10-26
				0.0204	Total
	11	4.31E-04			
		4.31E-04			
91				0.0111	WS
93	12	4.99E-04			
				0.0093	ES
95	13	1.57E-05			
97	14	9.07E-05			
99	15	0.00E+00			
101	16	6.83E-05	Due to heavy duty trucks difference		
103		1.89E-05			
106	17	3.42E-04			
108		9.43E-05			
111	18	3.76E-04			
		1.04E-04			
		4.23E-04			
		3.75E-04			
116					

WS	Building Construction - 2022 (Structure Equipment Garage)	Off-Road Heavy-Duty	3/27/2022	3/31/2022	4	8	0.6790	1.07E-02	118	19	1.37E-04
ES	Site Preparation - 2022	Off-Road Heavy-Duty	3/27/2022	3/31/2022	4	8	0.1874	2.95E-03			3.77E-05
	Grading - 2022	Off-Road Heavy-Duty	3/27/2022	3/31/2022	4	8	0.6775	1.07E-02			1.36E-04
								1.36E-02	122		
WS	Building Construction - 2022 (Structure Equipment Garage)	Off-Road Heavy-Duty	4/1/2022	4/29/2022	25	8	0.6790	1.07E-02	124	20	8.54E-04
ES	Grading - 2022	Off-Road Heavy-Duty	4/1/2022	4/29/2022	25	8	0.6775	1.07E-02	126		8.52E-04
WS	Building Construction - 2022 (Structure Equipment Tower)	Off-Road Heavy-Duty	4/30/2022	6/17/2022	42	8	0.6790	1.07E-02	129	21	1.43E-03
ES	Grading - 2022	Off-Road Heavy-Duty	4/30/2022	6/17/2022	42	8	0.6775	1.07E-02	131		1.43E-03
WS	Building Construction - 2022 (Structure Equipment Affordable)	Off-Road Heavy-Duty	6/18/2022	7/13/2022	22	8	0.6790	1.07E-02	134	22	7.52E-04
ES	Grading - 2022	Off-Road Heavy-Duty	6/18/2022	7/13/2022	22	8	0.6775	1.07E-02	136		7.50E-04
WS	Building Construction - 2022 (Retail)	Off-Road Heavy-Duty	7/14/2022	7/15/2022	2	8	0.6790	1.07E-02	139	23	6.83E-05
ES	Grading - 2022	Off-Road Heavy-Duty	7/14/2022	7/15/2022	2	8	0.6775	1.07E-02	141		6.82E-05
WS	Building Construction - 2022	Off-Road Heavy-Duty	7/16/2022	10/21/2022	84	8	0.6790	1.07E-02	144	24	2.87E-03
ES	Grading - 2022	Off-Road Heavy-Duty	7/16/2022	10/21/2022	84	8	0.6775	1.07E-02	145		2.86E-03
WS	Building Construction - 2022	Off-Road Heavy-Duty	10/22/2022	10/26/2022	4	8	0.6790	1.07E-02		25	1.37E-04
	Architectural Coating - 2022	Off-Road Heavy-Duty	10/22/2022	10/26/2022	4	8	0.1962	3.09E-03			3.95E-05
								1.38E-02	150		
ES	Grading - 2022	Off-Road Heavy-Duty	10/22/2022	10/26/2022	4	8	0.6775	1.07E-02	151		1.36E-04
WS	Building Construction - 2022	Off-Road Heavy-Duty	10/26/2022	12/31/2022	58	8	0.6790	1.07E-02		26	1.98E-03
	Architectural Coating - 2022	Off-Road Heavy-Duty	10/26/2022	12/31/2022	58	8	0.1962	3.09E-03			5.73E-04
								1.38E-02	156		
ES	Grading - 2022	Off-Road Heavy-Duty	10/26/2022	12/31/2022	58	8	0.6775	1.07E-02	157		1.98E-03
WS	Building Construction - 2023	Off-Road Heavy-Duty	1/1/2023	1/10/2023	8	8	0.5934	9.35E-03		27	0.00E+00
	Architectural Coating - 2023	Off-Road Heavy-Duty	1/1/2023	1/10/2023	8	8	0.1711	2.69E-03			6.89E-05
								1.20E-02	162		
ES	Grading - 2023	Off-Road Heavy-Duty	1/1/2023	1/10/2023	8	8	0.3493	5.50E-03	163		1.41E-04
WS	Building Construction - 2023	Off-Road Heavy-Duty	1/11/2023	1/29/2023	16	8	0.5934	9.35E-03		28	4.78E-04
	Architectural Coating - 2023	Off-Road Heavy-Duty	1/11/2023	1/29/2023	16	8	0.1711	2.69E-03			1.38E-04
								1.20E-02	168		
ES	Foundations/Concrete Pour (Shoring Wall) - 2023	Off-Road Heavy-Duty	1/11/2023	1/29/2023	16	8	0.3752	5.91E-03			3.02E-04
	Foundations/Concrete Pour (Cast In Drilled Hole Foundation) - 2023	Off-Road Heavy-Duty	1/11/2023	1/29/2023	16	8	0.3752	5.91E-03			3.02E-04
								1.18E-02	171		
WS	Building Construction - 2023	Off-Road Heavy-Duty	1/30/2023	2/14/2023	14	8	0.5934	9.35E-03		29	4.18E-04
	Architectural Coating - 2023	Off-Road Heavy-Duty	1/30/2023	2/14/2023	14	8	0.1711	2.69E-03			1.21E-04
								1.20E-02	175		
ES	Foundations/Concrete Pour (Cast In Drilled Hole Foundation) - 2023	Off-Road Heavy-Duty	1/30/2023	2/14/2023	14	8	0.3752	5.91E-03			2.64E-04
								3.00E-02	177		
WS	Building Construction - 2023	Off-Road Heavy-Duty	2/15/2023	2/15/2023	1	8	0.5934	9.35E-03		30	2.99E-05
	Architectural Coating - 2023	Off-Road Heavy-Duty	2/15/2023	2/15/2023	1	8	0.1711	2.69E-03			8.61E-06
								1.20E-02	181		
ES	Foundations/Concrete Pour (Mat Foundation)- 2023	Off-Road Heavy-Duty	2/15/2023	2/15/2023	1	11	0.3708	4.25E-03	182		1.36E-05
WS	Building Construction - 2023	Off-Road Heavy-Duty	2/16/2023	2/20/2023	4	8	0.5934	9.35E-03		31	1.19E-04
	Architectural Coating - 2023	Off-Road Heavy-Duty	2/16/2023	2/20/2023	4	8	0.1711	2.69E-03			3.44E-05
								1.20E-02	187		
ES	Foundations/Concrete Pour (Column Footings) - 2023	Off-Road Heavy-Duty	2/16/2023	2/20/2023	4	8	0.3752	5.91E-03	188		7.55E-05
WS	Building Construction - 2023	Off-Road Heavy-Duty	2/21/2023	2/26/2023	5	8	0.5934	9.35E-03		32	1.49E-04
	Architectural Coating - 2023	Off-Road Heavy-Duty	2/21/2023	2/26/2023	5	8	0.1711	2.69E-03			4.30E-05
								1.20E-02	193		
ES	Foundations - 2023	Off-Road Heavy-Duty	2/21/2023	2/26/2023	5	8	0.3752	5.91E-03	194		9.44E-05
WS	Building Construction - 2023	Off-Road Heavy-Duty	2/27/2023	5/4/2023	58	8	0.5934	9.35E-03		33	1.73E-03
	Architectural Coating - 2023	Off-Road Heavy-Duty	2/27/2023	5/4/2023	58	8	0.1711	2.69E-03			4.99E-04
								1.20E-02	199		
ES	Building Construction - 2023 (Structure Equipment Garage)	Off-Road Heavy-Duty	2/27/2023	5/4/2023	58	8	0.5934	9.35E-03	200		1.73E-03
WS	Building Construction - 2023	Off-Road Heavy-Duty	5/5/2023	7/5/2023	53	8	0.5934	9.35E-03		34	1.58E-03
	Architectural Coating - 2023	Off-Road Heavy-Duty	5/5/2023	7/5/2023	53	8	0.1711	2.69E-03			4.56E-04
								1.20E-02	205		
ES	Building Construction - 2023 (Structure Equipment Tower)	Off-Road Heavy-Duty	5/5/2023	7/5/2023	53	8	0.5934	9.35E-03	206		1.58E-03
WS	Building Construction - 2023	Off-Road Heavy-Duty	7/6/2023	8/8/2023	29	8	0.5934	9.35E-03		35	8.66E-04
	Architectural Coating - 2023	Off-Road Heavy-Duty	7/6/2023	8/8/2023	29	8	0.1711	2.69E-03			2.50E-04
	Paving - 2023	Off-Road Heavy-Duty	7/6/2023	8/8/2023	29	8	1.0570	1.66E-02			1.54E-03
								2.87E-02	212		
ES	Building Construction - 2023 (Structure Equipment Tower)	Off-Road Heavy-Duty	7/6/2023	8/8/2023	29	8	0.5934	9.35E-03	213		8.66E-04
WS	Building Construction - 2023	Off-Road Heavy-Duty	8/9/2023	8/29/2023	18	8	0.5934	9.35E-03		36	5.37E-04
	Architectural Coating - 2023	Off-Road Heavy-Duty	8/9/2023	8/29/2023	18	8	0.1711	2.69E-03			1.55E-04
	Paving - 2023	Off-Road Heavy-Duty	8/9/2023	8/29/2023	18	8	1.0570	1.66E-02			9.57E-04
								2.87E-02	219		
ES	Building Construction - 2023 (Structure Equipment Affordable)	Off-Road Heavy-Duty	8/9/2023	8/29/2023	18	8	0.5934	9.35E-03	220		5.37E-04
WS	Building Construction - 2023	Off-Road Heavy-Duty	8/30/2023	9/1/2023	3	8	0.5934	9.35E-03		37	8.96E-05
	Architectural Coating - 2023	Off-Road Heavy-Duty	8/30/2023	9/1/2023	3	8	0.1711	2.69E-03			2.58E-05
	Paving - 2023	Off-Road Heavy-Duty	8/30/2023	9/1/2023	3	8	1.0570	1.66E-02			1.60E-04
								2.87E-02	226		
ES	Building Construction - 2023 (Retail)	Off-Road Heavy-Duty	8/30/2023	9/1/2023	3	8	0.5934	9.35E-03	227		8.96E-05
WS	Building Construction - 2023	Off-Road Heavy-Duty	9/2/2023	10/2/2023	26	8	0.5934	9.35E-03		38	7.76E-04
	Architectural Coating - 2023	Off-Road Heavy-Duty	9/2/2023	10/2/2023	26	8	0.1711	2.69E-03			2.24E-04
	Paving - 2023	Off-Road Heavy-Duty	9/2/2023	10/2/2023	26	8	1.0570	1.66E-02			1.38E-03
								2.87E-02	233		
ES	Building Construction - 2023	Off-Road Heavy-Duty	9/2/2023	10/2/2023	26	8	0.5934	9.35E-03	234		7.76E-04

Year 3		27-40
	0.0255	Total
	0.0158	WS
	0.0097	ES

WS	Building Construction - 2023	Off-Road Heavy-Duty	10/3/2023	10/13/2023	10	8	0.5934	9.35E-03		39	2.99E-04				
	Architectural Coating - 2023	Off-Road Heavy-Duty	10/3/2023	10/13/2023	10	8	0.1711	2.69E-03			8.61E-05				
								1.20E-02	239						
ES	Building Construction - 2023	Off-Road Heavy-Duty	10/3/2023	10/13/2023	10	8	0.5934	9.35E-03	240		2.99E-04				
WS	Building Construction - 2023	Off-Road Heavy-Duty	10/14/2023	12/31/2023	67	8	0.5934	9.35E-03		40	2.00E-03				
	Architectural Coating - 2023	Off-Road Heavy-Duty	10/14/2023	12/31/2023	67	8	0.1711	2.69E-03			5.77E-04				
								1.20E-02	245						
ES	Building Construction - 2023	Off-Road Heavy-Duty	10/14/2023	12/31/2023	67	8	0.5934	9.35E-03			2.00E-03				
	Architectural Coating - 2023	Off-Road Heavy-Duty	10/14/2023	12/31/2023	67	8	0.1711	2.69E-03			5.77E-04				
								1.20E-02	248						
													Year 4		41-45
WS	Building Construction - 2024	Off-Road Heavy-Duty	1/1/2024	1/31/2024	27	8	0.5239	8.25E-03		41	7.12E-04			0.0151	Total
	Architectural Coating - 2024	Off-Road Heavy-Duty	1/1/2024	1/31/2024	27	8	0.1495	2.35E-03			2.03E-04				
								1.06E-02	252						
ES	Building Construction - 2024	Off-Road Heavy-Duty	1/1/2024	1/31/2024	27	8	0.5239	8.25E-03			7.12E-04			0.0019	WS
	Architectural Coating - 2024	Off-Road Heavy-Duty	1/1/2024	1/31/2024	27	8	0.1495	2.35E-03			2.03E-04				
								1.06E-02	255						
														0.0132	ES
WS	Building Construction - 2024	Off-Road Heavy-Duty	2/1/2024	3/14/2024	37	8	0.5239	8.25E-03	257	42	9.75E-04				
ES	Building Construction - 2024	Off-Road Heavy-Duty	2/1/2024	3/14/2024	37	8	0.5239	8.25E-03			9.75E-04				
	Architectural Coating - 2024	Off-Road Heavy-Duty	2/1/2024	3/14/2024	37	8	0.1495	2.35E-03			2.78E-04				
								1.06E-02	261						
ES	Building Construction - 2024	Off-Road Heavy-Duty	3/15/2024	7/11/2024	102	8	0.5239	8.25E-03		43	2.69E-03				
	Architectural Coating - 2024	Off-Road Heavy-Duty	3/15/2024	7/11/2024	102	8	0.1495	2.35E-03			7.67E-04				
								1.06E-02	264						
ES	Building Construction - 2024	Off-Road Heavy-Duty	7/12/2024	10/10/2024	78	8	0.5239	8.25E-03		44	2.06E-03				
	Architectural Coating - 2024	Off-Road Heavy-Duty	7/12/2024	10/10/2024	78	8	0.1495	2.35E-03			5.87E-04				
	Paving - 2024	Off-Road Heavy-Duty	7/12/2024	10/10/2024	78	8	0.6650	1.05E-02			2.61E-03				
								1.28E-02	269						
ES	Building Construction - 2024	Off-Road Heavy-Duty	10/11/2024	12/31/2024	70	8	0.5239	8.25E-03		45	1.85E-03				
	Architectural Coating - 2024	Off-Road Heavy-Duty	10/11/2024	12/31/2024	70	8	0.1495	2.35E-03			5.27E-04				
								1.06E-02	273						
													Year 5		46-47
ES	Building Construction - 2025	Off-Road Heavy-Duty	1/1/2025	1/23/2025	20	8	0.4586	7.22E-03		46	4.62E-04			0.0035	ES
	Architectural Coating - 2025	Off-Road Heavy-Duty	1/1/2025	1/23/2025	20	8	0.1298	2.04E-03			1.31E-04				
								9.27E-03	277						
ES	Building Construction - 2025	Off-Road Heavy-Duty	1/24/2025	6/22/2025	128	8	0.4586	7.22E-03	279	47	2.95E-03				

Maximum 12-Month Emissions (for Chronic HI analysis)			
Year 3	*West Site*	*313*	*0.0158*
Year 3	*East Site*	*313*	*0.0097*
Year 4	*West Site*	*313*	*0.0019*
Year 4	*East Site*	*313*	*0.0132*

Notes:

a. California Air Resources Board, California Emissions Estimator Model (CalEEMod). Exhaust PM10 emissions from off-road construction equipment including off-highway trucks.

Source: ESA 2020

Travel On-Road Construction Haul, Concrete, and Vendor Truck Emission Rates

Construction Activity		Equipment Type			Work Days per Year (days/year)	Work Hours per Day (hours/day)	Construction Activity Year	Total One-Way Truck Trips	One-Way Trip Distance per Day [a] (miles)	DPM Running Emissions Factor [b] (grams/mile)	Emissions Rate during Work Period (grams/second)	Row Number
WS	**Demolition - 2021**	On-Road T7 HHDT Trucks	1/4/2021	1/5/2021	2	8	**2021**	**132**	**0.578**	**0.088**	1.16E-04	**305**
WS	**Demolition - 2021**	On-Road T7 HHDT Trucks	1/5/2021	1/13/2021	8	8	**2021**		**0.578**	**0.088**		
WS	**Demolition - 2021**	On-Road T7 HHDT Trucks	1/14/2021	1/31/2021	15	8	**2021**		**0.578**	**0.088**		
	Utilities/Trenching - 2021	On-Road T7 HHDT Trucks	1/14/2021	1/31/2021	15	8	**2021**		**0.578**	**0.088**		
WS	**Demolition - 2021**	On-Road T7 HHDT Trucks	2/1/2021	2/3/2021	3	8	**2021**		**0.578**	**0.088**		
	Utilities/Trenching - 2021	On-Road T7 HHDT Trucks	2/1/2021	2/3/2021	3	8	**2021**		**0.578**	**0.088**		
	Site Preparation - 2021	On-Road T7 HHDT Trucks	2/1/2021	2/3/2021	3	8	**2021**		**0.578**	**0.088**		
WS	**Demolition - 2021**	On-Road T7 HHDT Trucks	2/4/2021	2/10/2021	6	8	**2021**		**0.578**	**0.088**		
	Site Preparation - 2021	On-Road T7 HHDT Trucks	2/4/2021	2/10/2021	6	8	**2021**		**0.578**	**0.088**		
WS	**Demolition - 2021**	On-Road T7 HHDT Trucks	2/11/2021	2/28/2021	15	8	**2021**		**0.578**	**0.088**		
	Site Preparation - 2021	On-Road T7 HHDT Trucks	2/11/2021	2/28/2021	15	8	**2021**		**0.578**	**0.088**		
	Grading - 2021	On-Road T7 HHDT Trucks	2/11/2021	2/28/2021	15	8	**2021**	**2,880**	**0.578**	**0.088**	3.38E-04	**322**
WS	**Demolition - 2021**	On-Road T7 HHDT Trucks	3/1/2021	3/1/2021	1	8	**2021**		**0.578**	**0.088**		
	Grading - 2021	On-Road T7 HHDT Trucks	3/1/2021	3/1/2021	1	8	**2021**	**192**	**0.578**	**0.088**	3.38E-04	**325**
WS	**Grading - 2021**	On-Road T7 HHDT Trucks	3/1/2021	10/11/2021	193	8	**2021**	**37,056**	**0.578**	**0.088**	3.38E-04	**327**
WS	**Grading - 2021**	On-Road T7 HHDT Trucks	10/12/2021	12/31/2021	70	8	**2021**		**0.578**	**0.088**		
WS	**Grading - 2022**	On-Road T7 HHDT Trucks	1/1/2022	1/2/2022	1	8	**2022**		**0.578**	**0.031**		
WS	**Foundations/Concrete Pour - 2022 (Shoring Wall)**	On-Road T7 HHDT Trucks	1/3/2022	1/24/2022	19	8	**2022**	**380**	**0.578**	**0.031**	1.25E-05	
	Foundations/Concrete Pour - 2022 (Cast in Drilled Hole Foundation)	On-Road T7 HHDT Trucks	1/3/2022	1/24/2022	19	8	**2022**	**76**	**0.578**	**0.031**	2.51E-06	
											1.51E-05	**335**
WS	**Foundations/Concrete Pour - 2022 (Cast in Drilled Hole Foundation)**	On-Road T7 HHDT Trucks	1/25/2022	2/18/2022	22	8	**2022**	**88**	**0.578**	**0.031**	2.51E-06	**337**
WS	**Foundations/Concrete Pour - 2022 (Mat Foundation)**	On-Road T7 HHDT Trucks	2/19/2022	2/20/2022	1	14	**2022**	**188**	**0.578**	**0.031**	6.74E-05	**339**
WS	**Foundations/Concrete Pour - 2022 (Column Footings)**	On-Road T7 HHDT Trucks	2/21/2022	2/24/2022	4	8	**2022**	**168**	**0.578**	**0.031**	2.64E-05	**341**
WS	**Foundations - 2022**	On-Road T7 HHDT Trucks	2/25/2022	2/28/2022	3	8	**2022**		**0.578**	**0.031**		
WS	**Building Construction - 2022 (Structure Equipment Garage)**	On-Road T7 HHDT Trucks	3/1/2022	3/2/2022	2	8	**2022**	**168**	**0.578**	**0.031**	5.27E-05	
	Building Construction - 2022 (Structure Equipment Garage)	MHDT,HHDT	3/1/2022	3/2/2022	2	8	**2022**	**100**	**0.578**	**0.033**	3.33E-05	
											8.60E-05	**347**
ES	**Site Preparation - 2022**	On-Road T7 HHDT Trucks	3/1/2022	3/2/2022	2	8	**2022**	**104**	**0.578**	**0.031**	3.26E-05	**348**
WS	**Building Construction - 2022 (Structure Equipment Garage)**	On-Road T7 HHDT Trucks	3/3/2022	3/14/2022	10	8	**2022**	**840**	**0.578**	**0.031**	5.27E-05	
	Building Construction - 2022 (Structure Equipment Garage)	MHDT,HHDT	3/3/2022	3/14/2022	10	8	**2022**	**500**	**0.578**	**0.033**	3.33E-05	
											8.60E-05	**353**
ES	**Site Preparation - 2022**	On-Road T7 HHDT Trucks	3/3/2022	3/14/2022	10	8	**2022**		**0.578**	**0.031**		

	Region	CalYr	VehClass	MdlYr	Speed	Fuel	PM10_RUNEX	PM10_IDLEX
	Los Angeles	2021	T7 single c	Aggregate	Aggregate	Diesel	0.087781949	0.001294178
	Los Angeles	2022	T7 single c	Aggregate	Aggregate	Diesel	0.031242199	0.000526975
	Los Angeles	2023	T7 single c	Aggregate	Aggregate	Diesel	0.014831532	0.000309727
	Los Angeles	2024	T7 single c	Aggregate	Aggregate	Diesel	0.014524822	0.000303571

	Region	CalYr	VehClass	MdlYr	Speed	Fuel	PM10_RUNEX	PM10_IDLEX
48,404	Los Angeles	2021	MHDT,HH	Aggregate	Aggregate	Diesel	0.061641829	0.002344903
	Los Angeles	2022	MHDT,HH	Aggregate	Aggregate	Diesel	0.033136854	0.001064501
	Los Angeles	2023	MHDT,HH	Aggregate	Aggregate	Diesel	0.012899292	0.000703772
	Los Angeles	2024	MHDT,HH	Aggregate	Aggregate	Diesel	0.012969616	0.000669763
	Los Angeles	2025	MHDT,HH	Aggregate	Aggregate	Diesel	0.013028719	0.000640618
40,128								
164								
4,368								
47,314								

WS	Building Construction - 2022 (Structure Equipment Garage)	On-Road T7 HHDT Trucks	3/15/2022	3/26/2022	11	8	2022	924		0.578	0.031	5.27E-05					
	Building Construction - 2022 (Structure Equipment Garage)	MHDT,HHDT	3/15/2022	3/26/2022	11	8	2022	550		0.578	0.033	3.33E-05					
												8.60E-05	359				
ES	Site Preparation - 2022	On-Road T7 HHDT Trucks	3/15/2022	3/26/2022	11	8	2022			0.578	0.031						
	Utilities/Trenching - 2022	On-Road T7 HHDT Trucks	3/15/2022	3/26/2022	11	8	2022			0.578	0.031						
	Grading - 2022	On-Road T7 HHDT Trucks	3/15/2022	3/26/2022	11	8	2022	2112		0.578	0.031	1.20E-04	362			37,248	
WS	Building Construction - 2022 (Structure Equipment Garage)	On-Road T7 HHDT Trucks	3/27/2022	3/31/2022	4	8	2022	336		0.578	0.031	5.27E-05					
	Building Construction - 2022 (Structure Equipment Garage)	MHDT,HHDT	3/27/2022	3/31/2022	4	8	2022	200		0.578	0.033	3.33E-05					
												8.60E-05	367				
ES	Site Preparation - 2022	On-Road T7 HHDT Trucks	3/27/2022	3/31/2022	4	8	2022			0.578	0.031						
	Grading - 2022	On-Road T7 HHDT Trucks	3/27/2022	3/31/2022	4	8	2022	768		0.578	0.031	1.20E-04	369				
WS	Building Construction - 2022 (Structure Equipment Garage)	On-Road T7 HHDT Trucks	4/1/2022	4/29/2022	25	8	2022	2,100		0.578	0.031	5.27E-05					
	Building Construction - 2022 (Structure Equipment Garage)	MHDT,HHDT	4/1/2022	4/29/2022	25	8	2022	1250		0.578	0.033	3.33E-05					
												8.60E-05	374				
ES	Grading - 2022	On-Road T7 HHDT Trucks	4/1/2022	4/29/2022	25	8	2022	4,800		0.578	0.031	1.20E-04	375				
WS	Building Construction - 2022 (Structure Equipment Tower)	On-Road T7 HHDT Trucks	4/30/2022	6/17/2022	42	8	2022	1,764		0.578	0.031	2.64E-05					
	Building Construction - 2022 (Structure Equipment Tower)	MHDT,HHDT	4/30/2022	6/17/2022	42	8	2022	2100		0.578	0.033	3.33E-05					
												5.96E-05	380				
ES	Grading - 2022	On-Road T7 HHDT Trucks	4/30/2022	6/17/2022	42	8	2022	8,064		0.578	0.031	1.20E-04	381				
WS	Building Construction - 2022 (Structure Equipment Affordable)	On-Road T7 HHDT Trucks	6/18/2022	7/13/2022	22	8	2022	1,056		0.578	0.031	3.01E-05					
	Building Construction - 2022 (Structure Equipment Affordable)	MHDT,HHDT	6/18/2022	7/13/2022	22	8	2022	1100		0.578	0.033	3.33E-05					
												6.34E-05	386				
ES	Grading - 2022	On-Road T7 HHDT Trucks	6/18/2022	7/13/2022	22	8	2022	4,224		0.578	0.031	1.20E-04	387				
WS	Building Construction - 2022 (Retail)	On-Road T7 HHDT Trucks	7/14/2022	7/15/2022	2	8	2022	56		0.578	0.031	1.76E-05					
	Building Construction - 2022 (Retail)	MHDT,HHDT	7/14/2022	7/15/2022	2	8	2022	100		0.578	0.033	3.33E-05					
												5.08E-05	392				
ES	Grading - 2022	On-Road T7 HHDT Trucks	7/14/2022	7/15/2022	2	8	2022	384		0.578	0.031	1.20E-04	393				
WS	Building Construction - 2022	On-Road T7 HHDT Trucks	7/16/2022	10/21/2022	84	8	2022			0.578	0.031						
	Building Construction - 2022	MHDT,HHDT	7/16/2022	10/21/2022	84	8	2022	4200		0.578	0.033	3.33E-05	397				
ES	Grading - 2022	On-Road T7 HHDT Trucks	7/16/2022	10/21/2022	84	8	2022	16,128		0.578	0.031	1.20E-04	398				
WS	Building Construction - 2022	On-Road T7 HHDT Trucks	10/22/2022	10/26/2022	4	8	2022			0.578	0.031						
	Building Construction - 2022	MHDT,HHDT	10/22/2022	10/26/2022	4	8	2022	200		0.578	0.033	3.33E-05	402				
	Architectural Coating - 2022	On-Road T7 HHDT Trucks	10/22/2022	10/26/2022	4	8	2022			0.578	0.031						
ES	Grading - 2022	On-Road T7 HHDT Trucks	10/22/2022	10/26/2022	4	8	2022	768		0.578	0.031	1.20E-04	404				
														Emissions Rate			
WS	Building Construction - 2022	On-Road T7 HHDT Trucks	10/26/2022	12/31/2022	58	8	2022			0.578	0.031			During Work Period			
	Building Construction - 2022	MHDT,HHDT	10/26/2022	12/31/2022	58	8	2022	2900		0.578	0.033	3.33E-05	408	(grams/sec) weighted contribution over a year			
	Architectural Coating - 2022	On-Road T7 HHDT Trucks	10/26/2022	12/31/2022	58	8	2022			0.578	0.031						
ES	Grading - 2022	On-Road T7 HHDT Trucks	10/26/2022	12/31/2022	58	8	2022			0.578	0.031			West Site	East Site		
WS	Building Construction - 2023	On-Road T7 HHDT Trucks	1/1/2023	1/10/2023	8	8	2023			0.578	0.015					On-Road Year 3	
	Building Construction - 2023	MHDT,HHDT	1/1/2023	1/10/2023	8	8	2023	400		0.578	0.013	1.30E-05	413	3.31E-07			
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	1/1/2023	1/10/2023	8	8	2023			0.578	0.015					3.01E-05	Total
ES	Grading - 2023	On-Road T7 HHDT Trucks	1/1/2023	1/10/2023	8	8	2023			0.578	0.015						
																1.29E-05	WS
WS	Building Construction - 2023	On-Road T7 HHDT Trucks	1/11/2023	1/29/2023	16	8	2023			0.578	0.015						
	Building Construction - 2023	MHDT,HHDT	1/11/2023	1/29/2023	16	8	2023	800		0.578	0.013	1.30E-05	418	6.62E-07		1.72E-05	ES
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	1/11/2023	1/29/2023	16	8	2023			0.578	0.015						
ES	Foundations/Concrete Pour (Shoring Wall) - 2023	On-Road T7 HHDT Trucks	1/11/2023	1/29/2023	16	8	2023	320		0.578	0.015	5.96E-06			3.05E-07		
	Foundations/Concrete Pour (Cast In Drilled Hole Foundation) - 2023	On-Road T7 HHDT Trucks	1/11/2023	1/29/2023	16	8	2023	64		0.578	0.015	1.19E-06			6.09E-08		
												7.15E-06	422				
WS	Building Construction - 2023	On-Road T7 HHDT Trucks	1/30/2023	2/14/2023	14	8	2023			0.578	0.015						
	Building Construction - 2023	MHDT,HHDT	1/30/2023	2/14/2023	14	8	2023	700		0.578	0.013	1.30E-05	425	5.79E-07			
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	1/30/2023	2/14/2023	14	8	2023			0.578	0.015						
ES	Foundations/Concrete Pour (Cast In Drilled Hole Foundation) - 2023	On-Road T7 HHDT Trucks	1/30/2023	2/14/2023	14	8	2023	56		0.578	0.015	1.19E-06	427		5.33E-08		
WS	Building Construction - 2023	On-Road T7 HHDT Trucks	2/15/2023	2/15/2023	1	8	2023			0.578	0.015						
	Building Construction - 2023	MHDT,HHDT	2/15/2023	2/15/2023	1	8	2023	50		0.578	0.013	1.30E-05	431	4.14E-08			
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	2/15/2023	2/15/2023	1	8	2023			0.578	0.015						
ES	Foundations/Concrete Pour (Mat Foundation)- 2023	On-Road T7 HHDT Trucks	2/15/2023	2/15/2023	1	11	2023	142		0.578	0.015	3.08E-05	433		9.83E-08		
WS	Building Construction - 2023	On-Road T7 HHDT Trucks	2/16/2023	2/20/2023	4	8	2023			0.578	0.015						
	Building Construction - 2023	MHDT,HHDT	2/16/2023	2/20/2023	4	8	2023	200		0.578	0.013	1.30E-05	437	1.66E-07			
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	2/16/2023	2/20/2023	4	8	2023			0.578	0.015						
ES	Foundations/Concrete Pour (Column Footings) - 2023	On-Road T7 HHDT Trucks	2/16/2023	2/20/2023	4	8	2023	168		0.578	0.015	1.25E-05	439		1.60E-07		
WS	Building Construction - 2023	On-Road T7 HHDT Trucks	2/21/2023	2/26/2023	5	8	2023			0.578	0.015						
	Building Construction - 2023	MHDT,HHDT	2/21/2023	2/26/2023	5	8	2023	250		0.578	0.013	1.30E-05	443	2.07E-07			
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	2/21/2023	2/26/2023	5	8	2023			0.578	0.015						
ES	Foundations - 2023	On-Road T7 HHDT Trucks	2/21/2023	2/26/2023	5	8	2023			0.578	0.015						
WS	Building Construction - 2023	On-Road T7 HHDT Trucks	2/27/2023	5/4/2023	58	8	2023			0.578	0.015						
	Building Construction - 2023	MHDT,HHDT	2/27/2023	5/4/2023	58	8	2023	2900		0.578	0.013	1.30E-05	448	2.40E-06			
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	2/27/2023	5/4/2023	58	8	2023			0.578	0.015						
ES	Building Construction - 2023 (Structure Equipment Garage)	On-Road T7 HHDT Trucks	2/27/2023	5/4/2023	58	8	2023	5104		0.578	0.015	2.62E-05			4.86E-06		
	Building Construction - 2023 (Structure Equipment Garage)	MHDT,HHDT	2/27/2023	5/4/2023	58	8	2023	2900		0.578	0.013	1.30E-05			2.40E-06		
												3.92E-05	452				
WS	Building Construction - 2023	On-Road T7 HHDT Trucks	5/5/2023	7/5/2023	53	8	2023			0.578	0.015						
	Building Construction - 2023	MHDT,HHDT	5/5/2023	7/5/2023	53	8	2023	2650		0.578	0.013	1.30E-05	455	2.19E-06			
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	5/5/2023	7/5/2023	53	8	2023			0.578	0.015						
ES	Building Construction - 2023 (Structure Equipment Tower)	On-Road T7 HHDT Trucks	5/5/2023	7/5/2023	53	8	2023	2120		0.578	0.015	1.19E-05			2.02E-06		
	Building Construction - 2023 (Structure Equipment Tower)	MHDT,HHDT	5/5/2023	7/5/2023	53	8	2023	2650		0.578	0.013	1.30E-05			2.19E-06		
												2.49E-05	459				
WS	Building Construction - 2023	On-Road T7 HHDT Trucks	7/6/2023	8/8/2023	29	8	2023			0.578	0.015						
	Building Construction - 2023	MHDT,HHDT	7/6/2023	8/8/2023	29	8	2023	1450		0.578	0.013	1.30E-05	462	1.20E-06			
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	7/6/2023	8/8/2023	29	8	2023			0.578	0.015						
	Paving - 2023	On-Road T7 HHDT Trucks	7/6/2023	8/8/2023	29	8	2023			0.578	0.015						
ES	Building Construction - 2023 (Structure Equipment Tower)	On-Road T7 HHDT Trucks	7/6/2023	8/8/2023	29	8	2023	1160		0.578	0.015	1.19E-05			1.10E-06		
	Building Construction - 2023 (Structure Equipment Tower)	MHDT,HHDT	7/6/2023	8/8/2023	29	8	2023	1450		0.578	0.013	1.30E-05			1.20E-06		
												2.49E-05	467				
WS	Building Construction - 2023	On-Road T7 HHDT Trucks	8/9/2023	8/29/2023	18	8	2023			0.578	0.015						
	Building Construction - 2023	MHDT,HHDT	8/9/2023	8/29/2023	18	8	2023	900		0.578	0.013	1.30E-05	470	7.45E-07			
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	8/9/2023	8/29/2023	18	8	2023			0.578	0.015						
	Paving - 2023	On-Road T7 HHDT Trucks	8/9/2023	8/29/2023	18	8	2023			0.578	0.015						
ES	Building Construction - 2023 (Structure Equipment Affordable)	On-Road T7 HHDT Trucks	8/9/2023	8/29/2023	18	8	2023	648		0.578	0.015	1.07E-05			6.17E-07		
	Building Construction - 2023 (Structure Equipment Affordable)	MHDT,HHDT	8/9/2023	8/29/2023	18	8	2023	900		0.578	0.013	1.30E-05			7.45E-07		

												2.37E-05	**475**				
WS	**Building Construction - 2023**	On-Road T7 HHDT Trucks	8/30/2023	9/1/2023	3	8	**2023**			**0.578**	**0.015**						
	Building Construction - 2023	MHDT,HHDT	8/30/2023	9/1/2023	3	8	**2023**	**150**		**0.578**	**0.013**	1.30E-05	**478**	1.24E-07			
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	8/30/2023	9/1/2023	3	8	**2023**			**0.578**	**0.015**						
	Paving - 2023	On-Road T7 HHDT Trucks	8/30/2023	9/1/2023	3	8	**2023**			**0.578**	**0.015**						
ES	**Building Construction - 2023 (Retail)**	On-Road T7 HHDT Trucks	8/30/2023	9/1/2023	3	8	**2023**	**180**		**0.578**	**0.015**	1.79E-05			1.71E-07		
	Building Construction - 2023 (Retail)	MHDT,HHDT	8/30/2023	9/1/2023	3	8	**2023**	**150**		**0.578**	**0.013**	1.30E-05			1.24E-07		
												3.08E-05	**483**				
WS	**Building Construction - 2023**	On-Road T7 HHDT Trucks	9/2/2023	10/2/2023	26	8	**2023**			**0.578**	**0.015**						
	Building Construction - 2023	MHDT,HHDT	9/2/2023	10/2/2023	26	8	**2023**	**1300**		**0.578**	**0.013**	1.30E-05	**486**	1.08E-06			
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	9/2/2023	10/2/2023	26	8	**2023**			**0.578**	**0.015**						
	Paving - 2023	On-Road T7 HHDT Trucks	9/2/2023	10/2/2023	26	8	**2023**			**0.578**	**0.015**						
ES	**Building Construction - 2023**	On-Road T7 HHDT Trucks	9/2/2023	10/2/2023	26	8	**2023**			**0.578**	**0.015**						
	Building Construction - 2023	MHDT,HHDT	9/2/2023	10/2/2023	26	8	**2023**	**1300**		**0.578**	**0.013**	1.30E-05	**490**		1.08E-06		
WS	**Building Construction - 2023**	On-Road T7 HHDT Trucks	10/3/2023	10/13/2023	10	8	**2023**			**0.578**	**0.015**						
	Building Construction - 2023	MHDT,HHDT	10/3/2023	10/13/2023	10	8	**2023**	**500**		**0.578**	**0.013**	1.30E-05	**494**	4.14E-07			
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	10/3/2023	10/13/2023	10	8	**2023**			**0.578**	**0.015**						
ES	**Building Construction - 2023**	On-Road T7 HHDT Trucks	10/3/2023	10/13/2023	10	8	**2023**			**0.578**	**0.015**						
	Building Construction - 2023	MHDT,HHDT	10/3/2023	10/13/2023	10	8	**2023**	**500**		**0.578**	**0.013**	1.30E-05	**497**				
WS	**Building Construction - 2023**	On-Road T7 HHDT Trucks	10/14/2023	12/31/2023	67	8	**2023**			**0.578**	**0.015**						
	Building Construction - 2023	MHDT,HHDT	10/14/2023	12/31/2023	67	8	**2023**	**3350**		**0.578**	**0.013**	1.30E-05	**501**	2.77E-06			
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	10/14/2023	12/31/2023	67	8	**2023**			**0.578**	**0.015**						
ES	**Building Construction - 2023**	On-Road T7 HHDT Trucks	10/14/2023	12/31/2023	67	8	**2023**			**0.578**	**0.015**						
	Building Construction - 2023	MHDT,HHDT	10/14/2023	12/31/2023	67	8	**2023**	**3350**		**0.578**	**0.013**	1.30E-05	**504**				
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	10/14/2023	12/31/2023	67	8	**2023**			**0.578**	**0.015**						
WS	**Building Construction - 2024**	On-Road T7 HHDT Trucks	1/1/2024	1/31/2024	27	8	**2024**			**0.578**	**0.015**						On-Road Year 4
	Building Construction - 2024	MHDT,HHDT	1/1/2024	1/31/2024	27	8	**2024**	**1350**		**0.578**	**0.013**	1.30E-05	**509**	1.12E-06			
	Architectural Coating - 2024	On-Road T7 HHDT Trucks	1/1/2024	1/31/2024	27	8	**2024**			**0.578**	**0.015**						2.66E-06 WS
ES	**Building Construction - 2024**	On-Road T7 HHDT Trucks	1/1/2024	1/31/2024	27	8	**2024**			**0.578**	**0.015**						
	Building Construction - 2024	MHDT,HHDT	1/1/2024	1/31/2024	27	8	**2024**	**1350**		**0.578**	**0.013**	1.30E-05	**512**		1.12E-06		
	Architectural Coating - 2024	On-Road T7 HHDT Trucks	1/1/2024	1/31/2024	27	8	**2024**			**0.578**	**0.015**						1.93E-05 ES
WS	**Building Construction - 2024**	On-Road T7 HHDT Trucks	2/1/2024	3/14/2024	37	8	**2024**			**0.578**	**0.015**						
	Building Construction - 2024	MHDT,HHDT	2/1/2024	3/14/2024	37	8	**2024**	**1850**		**0.578**	**0.013**	1.30E-05	**517**	1.54E-06			
ES	**Building Construction - 2024**	On-Road T7 HHDT Trucks	2/1/2024	3/14/2024	37	8	**2024**			**0.578**	**0.015**						
	Building Construction - 2024	MHDT,HHDT	2/1/2024	3/14/2024	37	8	**2024**	**1850**		**0.578**	**0.013**	1.30E-05	**519**		1.54E-06		
	Architectural Coating - 2024	On-Road T7 HHDT Trucks	2/1/2024	3/14/2024	37	8	**2024**			**0.578**	**0.015**						
ES	**Building Construction - 2024**	On-Road T7 HHDT Trucks	3/15/2024	7/11/2024	102	8	**2024**			**0.578**	**0.015**						
	Building Construction - 2024	MHDT,HHDT	3/15/2024	7/11/2024	102	8	**2024**	**5100**		**0.578**	**0.013**	1.30E-05	**524**		4.24E-06		
	Architectural Coating - 2024	On-Road T7 HHDT Trucks	3/15/2024	7/11/2024	102	8	**2024**			**0.578**	**0.015**						
ES	**Building Construction - 2024**	On-Road T7 HHDT Trucks	7/12/2024	10/10/2024	78	8	**2024**			**0.578**	**0.015**						
	Building Construction - 2024	MHDT,HHDT	7/12/2024	10/10/2024	78	8	**2024**	**3900**		**0.578**	**0.013**	1.30E-05	**528**		3.25E-06		
	Architectural Coating - 2024	On-Road T7 HHDT Trucks	7/12/2024	10/10/2024	78	8	**2024**			**0.578**	**0.015**						
	Paving - 2024	On-Road T7 HHDT Trucks	7/12/2024	10/10/2024	78	8	**2024**			**0.578**	**0.015**						
ES	**Building Construction - 2024**	On-Road T7 HHDT Trucks	10/11/2024	12/31/2024	70	8	**2024**			**0.578**	**0.015**						
	Building Construction - 2024	MHDT,HHDT	10/11/2024	12/31/2024	70	8	**2024**	**3500**		**0.578**	**0.013**	1.30E-05	**533**		2.91E-06		
	Architectural Coating - 2024	On-Road T7 HHDT Trucks	10/11/2024	12/31/2024	70	8	**2024**			**0.578**	**0.015**						
ES	**Building Construction - 2025**	On-Road T7 HHDT Trucks	1/1/2025	1/23/2025	20	8	**2025**			**0.578**	**#N/A**						
	Building Construction - 2025	MHDT,HHDT	1/1/2025	1/23/2025	20	8	**2025**	**1000**		**0.578**	**0.013**	1.31E-05	**537**		8.36E-07		
	Architectural Coating - 2025	On-Road T7 HHDT Trucks	1/1/2025	1/23/2025	20	8	**2025**			**0.578**	**#N/A**						
ES	**Building Construction - 2025**	On-Road T7 HHDT Trucks	1/24/2025	6/22/2025	128	8	**2025**			**0.578**	**#N/A**						
	Building Construction - 2025	MHDT,HHDT	1/24/2025	6/22/2025	128	8	**2025**	**6400**		**0.578**	**0.013**	1.31E-05	**541**		5.35E-06		
					Maximum 12-Month Emissions (for Chronic HI analysis)												
					Year 3	*West Site*	*313*					1.29E-05					
					Year 3	*East Site*	*313*					*1.72E-05*					
					Year 4	*West Site*	*313*					*2.66E-06*					
					Year 4	*East Site*	*313*					*1.93E-05*					

Notes:

a. The portion of the on-road trip length within a 1/4 mile of the Project Site.

b. California Air Resources Board. EMFAC2017 on-road vehicle emissions model.

Source: ESA 2018

Idling On-Road Construction Haul, Concrete, and Vendor Truck Emission Rates

Construction Activity					Work Days per Year (days/year)	Work Hours per Day (hours/day)	Construction Activity Year	Total Number of Trucks			Idling Time per Truck (minutes)	DPM Idling Emissions Factor [a] (grams/hour)	Emissions Rate during Work Period (grams/second)	Row Number
WS	**Demolition - 2021**	On-Road T7 HHDT Trucks	1/4/2021	1/5/2021	2	8	**2021**	**66**			**15**	**0.0013**	3.71E-07	563
WS	**Demolition - 2021**	On-Road T7 HHDT Trucks	1/5/2021	1/13/2021	8	8	**2021**				**15**	**0.0013**		
WS	**Demolition - 2021**	On-Road T7 HHDT Trucks	1/14/2021	1/31/2021	15	8	**2021**				**15**	**0.0013**		
	Utilities/Trenching - 2021	On-Road T7 HHDT Trucks	1/14/2021	1/31/2021	15	8	**2021**				**15**	**0.0013**		
WS	**Demolition - 2021**	On-Road T7 HHDT Trucks	2/1/2021	2/3/2021	3	8	**2021**				**15**	**0.0013**		
	Utilities/Trenching - 2021	On-Road T7 HHDT Trucks	2/1/2021	2/3/2021	3	8	**2021**				**15**	**0.0013**		
	Site Preparation - 2021	On-Road T7 HHDT Trucks	2/1/2021	2/3/2021	3	8	**2021**				**15**	**0.0013**		
WS	**Demolition - 2021**	On-Road T7 HHDT Trucks	2/4/2021	2/10/2021	6	8	**2021**				**15**	**0.0013**		
	Site Preparation - 2021	On-Road T7 HHDT Trucks	2/4/2021	2/10/2021	6	8	**2021**				**15**	**0.0013**		
WS	**Demolition - 2021**	On-Road T7 HHDT Trucks	2/11/2021	2/28/2021	15	8	**2021**				**15**	**0.0013**		
	Site Preparation - 2021	On-Road T7 HHDT Trucks	2/11/2021	2/28/2021	15	8	**2021**				**15**	**0.0013**		
	Grading - 2021	On-Road T7 HHDT Trucks	2/11/2021	2/28/2021	15	8	**2021**	**1,440**			**15**	**0.0013**	1.08E-06	580
WS	**Demolition - 2021**	On-Road T7 HHDT Trucks	3/1/2021	3/1/2021	1	8	**2021**				**15**	**0.0013**		
	Grading - 2021	On-Road T7 HHDT Trucks	3/1/2021	3/1/2021	1	8	**2021**	**96**			**15**	**0.0013**	1.08E-06	583
WS	**Grading - 2021**	On-Road T7 HHDT Trucks	3/1/2021	10/11/2021	193	8	**2021**	**18,528**			**15**	**0.0013**	1.08E-06	585
WS	**Grading - 2021**	On-Road T7 HHDT Trucks	10/12/2021	12/31/2021	70	8	**2021**				**15**	**0.0013**		
WS	**Grading - 2022**	On-Road T7 HHDT Trucks	1/1/2022	1/2/2022	1	8	**2022**				**15**	**0.0005**		
WS	**Foundations/Concrete Pour - 2022 (Shoring Wall)**	On-Road T7 HHDT Trucks	1/3/2022	1/24/2022	19	8	**2022**	**190**			**15**	**0.0005**	4.57E-08	
	Foundations/Concrete Pour - 2022 (Cast in Drilled Hole Foundation)	On-Road T7 HHDT Trucks	1/3/2022	1/24/2022	19	8	**2022**	**38**			**15**	**0.0005**	9.15E-09	
													5.49E-08	593

WS	**Foundations/Concrete Pour - 2022 (Cast in Drilled Hole Foundation)**	On-Road T7 HHDT Trucks	1/25/2022	2/18/2022	22	8	**2022**	**44**	**15**	**0.0005**	9.15E-09	595					
WS	**Foundations/Concrete Pour - 2022 (Mat Foundation)**	On-Road T7 HHDT Trucks	2/19/2022	2/20/2022	1	14	**2022**	**94**	**15**	**0.0005**	2.46E-07	597					
WS	**Foundations/Concrete Pour - 2022 (Column Footings)**	On-Road T7 HHDT Trucks	2/21/2022	2/24/2022	4	8	**2022**	**84**	**15**	**0.0005**	9.61E-08	599					
WS	**Foundations - 2022**	On-Road T7 HHDT Trucks	2/25/2022	2/28/2022	3	8	**2022**		**15**	**0.0005**							
WS	**Building Construction - 2022 (Structure Equipment Garage)**	On-Road T7 HHDT Trucks	3/1/2022	3/2/2022	2	8	**2022**	**84**	**15**	**0.0005**	1.92E-07						
	Building Construction - 2022 (Structure Equipment Garage)	MHDT,HHDT	3/1/2022	3/2/2022	2	8	**2022**	**50**	**15**	**0.0011**	2.31E-07						
											4.23E-07	605					
ES	**Site Preparation - 2022**	On-Road T7 HHDT Trucks	3/1/2022	3/2/2022	2	8	**2022**	**52**	**15**	**0.0005**	1.19E-07	606					
WS	**Building Construction - 2022 (Structure Equipment Garage)**	On-Road T7 HHDT Trucks	3/3/2022	3/14/2022	10	8	**2022**	**420**	**15**	**0.0005**	1.92E-07						
	Building Construction - 2022 (Structure Equipment Garage)	MHDT,HHDT	3/3/2022	3/14/2022	10	8	**2022**	**250**	**15**	**0.0011**	2.31E-07						
											4.23E-07	611					
ES	**Site Preparation - 2022**	On-Road T7 HHDT Trucks	3/3/2022	3/14/2022	10	8	**2022**		**15**	**0.0005**							
WS	**Building Construction - 2022 (Structure Equipment Garage)**	On-Road T7 HHDT Trucks	3/15/2022	3/26/2022	11	8	**2022**	**462**	**15**	**0.0005**	1.92E-07						
	Building Construction - 2022 (Structure Equipment Garage)	MHDT,HHDT	3/15/2022	3/26/2022	11	8	**2022**	**275**	**15**	**0.0011**	2.31E-07						
											4.23E-07	617					
ES	**Site Preparation - 2022**	On-Road T7 HHDT Trucks	3/15/2022	3/26/2022	11	8	**2022**		**15**	**0.0005**							
	Utilities/Trenching - 2022	On-Road T7 HHDT Trucks	3/15/2022	3/26/2022	11	8	**2022**		**15**	**0.0005**							
	Grading - 2022	On-Road T7 HHDT Trucks	3/15/2022	3/26/2022	11	8	**2022**	**1056**	**15**	**0.0005**	4.39E-07	620					
WS	**Building Construction - 2022 (Structure Equipment Garage)**	On-Road T7 HHDT Trucks	3/27/2022	3/31/2022	4	8	**2022**	**168**	**15**	**0.0005**	1.92E-07						
	Building Construction - 2022 (Structure Equipment Garage)	MHDT,HHDT	3/27/2022	3/31/2022	4	8	**2022**	**100**	**15**	**0.0011**	2.31E-07						
											4.23E-07	625					
ES	**Site Preparation - 2022**	On-Road T7 HHDT Trucks	3/27/2022	3/31/2022	4	8	**2022**		**15**	**0.0005**							
	Grading - 2022	On-Road T7 HHDT Trucks	3/27/2022	3/31/2022	4	8	**2022**	**384**	**15**	**0.0005**	4.39E-07	627					
WS	**Building Construction - 2022 (Structure Equipment Garage)**	On-Road T7 HHDT Trucks	4/1/2022	4/29/2022	25	8	**2022**	**1,050**	**15**	**0.0005**	1.92E-07						
	Building Construction - 2022 (Structure Equipment Garage)	MHDT,HHDT	4/1/2022	4/29/2022	25	8	**2022**	**625**	**15**	**0.0011**	2.31E-07						
											4.23E-07	632					
ES	**Grading - 2022**	On-Road T7 HHDT Trucks	4/1/2022	4/29/2022	25	8	**2022**	**2,400**	**15**	**0.0005**	4.39E-07	633					
WS	**Building Construction - 2022 (Structure Equipment Tower)**	On-Road T7 HHDT Trucks	4/30/2022	6/17/2022	42	8	**2022**	**882**	**15**	**0.0005**	9.61E-08						
	Building Construction - 2022 (Structure Equipment Tower)	MHDT,HHDT	4/30/2022	6/17/2022	42	8	**2022**	**1,050**	**15**	**0.0011**	2.31E-07						
											3.27E-07	638					
ES	**Grading - 2022**	On-Road T7 HHDT Trucks	4/30/2022	6/17/2022	42	8	**2022**	**4,032**	**15**	**0.0005**	4.39E-07	639					
WS	**Building Construction - 2022 (Structure Equipment Affordable)**	On-Road T7 HHDT Trucks	6/18/2022	7/13/2022	22	8	**2022**	**528**	**15**	**0.0005**	1.10E-07						
	Building Construction - 2022 (Structure Equipment Affordable)	MHDT,HHDT	6/18/2022	7/13/2022	22	8	**2022**	**550**	**15**	**0.0011**	2.31E-07						
											3.41E-07	644					
ES	**Grading - 2022**	On-Road T7 HHDT Trucks	6/18/2022	7/13/2022	22	8	**2022**	**2,112**	**15**	**0.0005**	4.39E-07	645					
WS	**Building Construction - 2022 (Retail)**	On-Road T7 HHDT Trucks	7/14/2022	7/15/2022	2	8	**2022**	**28**	**15**	**0.0005**	6.40E-08						
	Building Construction - 2022 (Retail)	MHDT,HHDT	7/14/2022	7/15/2022	2	8	**2022**	**50**	**15**	**0.0011**	2.31E-07						
											2.95E-07	650					
ES	**Grading - 2022**	On-Road T7 HHDT Trucks	7/14/2022	7/15/2022	2	8	**2022**	**192**	**15**	**0.0005**	4.39E-07	651					
WS	**Building Construction - 2022**	On-Road T7 HHDT Trucks	7/16/2022	10/21/2022	84	8	**2022**		**15**	**0.0005**							
	Building Construction - 2022	MHDT,HHDT	7/16/2022	10/21/2022	84	8	**2022**	**2,100**	**15**	**0.0005**	1.14E-07	655					
ES	**Grading - 2022**	On-Road T7 HHDT Trucks	7/16/2022	10/21/2022	84	8	**2022**	**8,064**	**15**	**0.0005**	4.39E-07	656					
WS	**Building Construction - 2022**	On-Road T7 HHDT Trucks	10/22/2022	10/26/2022	4	8	**2022**		**15**	**0.0005**							
	Building Construction - 2022	MHDT,HHDT	10/22/2022	10/26/2022	4	8	**2022**	**100**	**15**	**0.0011**	2.31E-07	660					
	Architectural Coating - 2022	On-Road T7 HHDT Trucks	10/22/2022	10/26/2022	4	8	**2022**		**15**	**0.0005**							
ES	**Grading - 2022**	On-Road T7 HHDT Trucks	10/22/2022	10/26/2022	4	8	**2022**	**384**	**15**	**0.0005**	4.39E-07	662					
WS	**Building Construction - 2022**	On-Road T7 HHDT Trucks	10/26/2022	12/31/2022	58	8	**2022**		**15**	**0.0005**			Emissions Rate				
	Building Construction - 2022	MHDT,HHDT	10/26/2022	12/31/2022	58	8	**2022**	**1,450**	**15**	**0.0011**	2.31E-07	666	During Work Period				
	Architectural Coating - 2022	On-Road T7 HHDT Trucks	10/26/2022	12/31/2022	58	8	**2022**		**15**	**0.0005**			(grams/sec) weighted contribution over a year				
ES	**Grading - 2022**	On-Road T7 HHDT Trucks	10/26/2022	12/31/2022	58	8	**2022**		**15**	**0.0005**				West Site	East Site		
WS	**Building Construction - 2023**	On-Road T7 HHDT Trucks	1/1/2023	1/10/2023	8	8	**2023**		**15**	**0.0003**						Idling Year 3	
	Building Construction - 2023	MHDT,HHDT	1/1/2023	1/10/2023	8	8	**2023**	**200**	**15**	**0.0007**	1.53E-07	671		3.90E-09			
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	1/1/2023	1/10/2023	8	8	**2023**		**15**	**0.0003**						3.24E-07	Total
ES	**Grading - 2023**	On-Road T7 HHDT Trucks	1/1/2023	1/10/2023	8	8	**2023**		**15**	**0.0003**							
																1.52E-07	WS
WS	**Building Construction - 2023**	On-Road T7 HHDT Trucks	1/11/2023	1/29/2023	16	8	**2023**		**15**	**0.0003**							
	Building Construction - 2023	MHDT,HHDT	1/11/2023	1/29/2023	16	8	**2023**	**400**	**15**	**0.0007**	1.53E-07	676		7.81E-09		1.71E-07	ES
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	1/11/2023	1/29/2023	16	8	**2023**		**15**	**0.0003**							
ES	**Foundations/Concrete Pour (Shoring Wall) - 2023**	On-Road T7 HHDT Trucks	1/11/2023	1/29/2023	16	8	**2023**	**160**	**15**	**0.0003**	2.69E-08				1.37E-09		
	Foundations/Concrete Pour (Cast In Drilled Hole Foundation) - 2023	On-Road T7 HHDT Trucks	1/11/2023	1/29/2023	16	8	**2023**	**32**	**15**	**0.0003**	5.38E-09				2.75E-10		
											3.23E-08	680					
WS	**Building Construction - 2023**	On-Road T7 HHDT Trucks	1/30/2023	2/14/2023	14	8	**2023**		**15**	**0.0003**							
	Building Construction - 2023	MHDT,HHDT	1/30/2023	2/14/2023	14	8	**2023**	**350**	**15**	**0.0007**	1.53E-07	683		6.83E-09			
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	1/30/2023	2/14/2023	14	8	**2023**		**15**	**0.0003**							
ES	**Foundations/Concrete Pour (Cast In Drilled Hole Foundation) - 2023**	On-Road T7 HHDT Trucks	1/30/2023	2/14/2023	14	8	**2023**	**28**	**15**	**0.0003**	5.38E-09	685			2.41E-10		
WS	**Building Construction - 2023**	On-Road T7 HHDT Trucks	2/15/2023	2/15/2023	1	8	**2023**		**15**	**0.0003**							
	Building Construction - 2024	MHDT,HHDT	2/15/2023	2/15/2023	1	8	**2023**	**25**	**15**	**0.0007**	1.53E-07	689		4.88E-10			
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	2/15/2023	2/15/2023	1	8	**2023**		**15**	**0.0003**							
ES	**Foundations/Concrete Pour (Mat Foundation)- 2023**	On-Road T7 HHDT Trucks	2/15/2023	2/15/2023	1	11	**2023**	**71**	**15**	**0.0003**	1.39E-07	691			4.44E-10		
WS	**Building Construction - 2023**	On-Road T7 HHDT Trucks	2/16/2023	2/20/2023	4	8	**2023**		**15**	**0.0003**							
	Building Construction - 2023	MHDT,HHDT	2/16/2023	2/20/2023	4	8	**2023**	**100**	**15**	**0.0007**	1.53E-07	695		1.95E-09			
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	2/16/2023	2/20/2023	4	8	**2023**		**15**	**0.0003**							
ES	**Foundations/Concrete Pour (Column Footings) - 2023**	On-Road T7 HHDT Trucks	2/16/2023	2/20/2023	4	8	**2023**	**84**	**15**	**0.0003**	5.65E-08	697			7.22E-10		
WS	**Building Construction - 2023**	On-Road T7 HHDT Trucks	2/21/2023	2/26/2023	5	8	**2023**		**15**	**0.0003**							
	Building Construction - 2023	MHDT,HHDT	2/21/2023	2/26/2023	5	8	**2023**	**125**	**15**	**0.0007**	1.53E-07	701		2.44E-09			
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	2/21/2023	2/26/2023	5	8	**2023**		**15**	**0.0003**							
ES	**Foundations - 2023**	On-Road T7 HHDT Trucks	2/21/2023	2/26/2023	5	8	**2023**		**15**	**0.0003**							
WS	**Building Construction - 2023**	On-Road T7 HHDT Trucks	2/27/2023	5/4/2023	58	8	**2023**		**15**	**0.0003**							
	Building Construction - 2023	MHDT,HHDT	2/27/2023	5/4/2023	58	8	**2023**	**1450**	**15**	**0.0007**	1.53E-07	706		2.83E-08			
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	2/27/2023	5/4/2023	58	8	**2023**		**15**	**0.0003**							
ES	**Building Construction - 2023 (Structure Equipment Garage)**	On-Road T7 HHDT Trucks	2/27/2023	5/4/2023	58	8	**2023**	**2552**	**15**	**0.0003**	1.18E-07				2.19E-08		
	Building Construction - 2023 (Structure Equipment Garage)	MHDT,HHDT	2/27/2023	5/4/2023	58	8	**2023**	**1450**	**15**	**0.0007**	1.53E-07				2.83E-08		
											2.71E-07	710					

WS	**Building Construction - 2023**	On-Road T7 HHDT Trucks	5/5/2023	7/5/2023	53	8	**2023**		**15**	**0.0003**						
	Building Construction - 2023	MHDT,HHDT	5/5/2023	7/5/2023	53	8	**2023**	**1325**	**15**	**0.0007**	1.53E-07	713	2.59E-08			
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	5/5/2023	7/5/2023	53	8	**2023**		**15**	**0.0003**						
ES	**Building Construction - 2023 (Structure Equipment Tower)**	On-Road T7 HHDT Trucks	5/5/2023	7/5/2023	53	8	**2023**	**1060**	**15**	**0.0003**	5.38E-08			9.11E-09		
	Building Construction - 2023 (Structure Equipment Tower)	MHDT,HHDT	5/5/2023	7/5/2023	53	8	**2023**	**1325**	**15**	**0.0007**	1.53E-07			2.59E-08		
											2.07E-07	717				
WS	**Building Construction - 2023**	On-Road T7 HHDT Trucks	7/6/2023	8/8/2023	29	8	**2023**		**15**	**0.0003**						
	Building Construction - 2023	MHDT,HHDT	7/6/2023	8/8/2023	29	8	**2023**	**725**	**15**	**0.0007**	1.53E-07	720	1.42E-08			
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	7/6/2023	8/8/2023	29	8	**2023**		**15**	**0.0003**						
	Paving - 2023	On-Road T7 HHDT Trucks	7/6/2023	8/8/2023	29	8	**2023**		**15**	**0.0003**						
ES	**Building Construction - 2023 (Structure Equipment Tower)**	On-Road T7 HHDT Trucks	7/6/2023	8/8/2023	29	8	**2023**	**580**	**15**	**0.0003**	5.38E-08			4.98E-09		
	Building Construction - 2023 (Structure Equipment Tower)	MHDT,HHDT	7/6/2023	8/8/2023	29	8	**2023**	**725**	**15**	**0.0007**	1.53E-07			1.42E-08		
											2.07E-07	725				
WS	**Building Construction - 2023**	On-Road T7 HHDT Trucks	8/9/2023	8/29/2023	18	8	**2023**		**15**	**0.0003**						
	Building Construction - 2023	MHDT,HHDT	8/9/2023	8/29/2023	18	8	**2023**	**450**	**15**	**0.0007**	1.53E-07	728	8.78E-09			
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	8/9/2023	8/29/2023	18	8	**2023**		**15**	**0.0003**						
	Paving - 2023	On-Road T7 HHDT Trucks	8/9/2023	8/29/2023	18	8	**2023**		**15**	**0.0003**						
ES	**Building Construction - 2023 (Structure Equipment Affordable)**	On-Road T7 HHDT Trucks	8/9/2023	8/29/2023	18	8	**2023**	**324**	**15**	**0.0003**	4.84E-08			2.78E-09		
	Building Construction - 2023 (Structure Equipment Affordable)	MHDT,HHDT	8/9/2023	8/29/2023	18	8	**2023**	**450**	**15**	**0.0007**	1.53E-07			8.78E-09		
											2.01E-07	733				
WS	**Building Construction - 2023**	On-Road T7 HHDT Trucks	8/30/2023	9/1/2023	3	8	**2023**		**15**	**0.0003**						
	Building Construction - 2023	MHDT,HHDT	8/30/2023	9/1/2023	3	8	**2023**	**75**	**15**	**0.0007**	1.53E-07	736	1.46E-09			
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	8/30/2023	9/1/2023	3	8	**2023**		**15**	**0.0003**						
	Paving - 2023	On-Road T7 HHDT Trucks	8/30/2023	9/1/2023	3	8	**2023**		**15**	**0.0003**						
ES	**Building Construction - 2023 (Retail)**	On-Road T7 HHDT Trucks	8/30/2023	9/1/2023	3	8	**2023**	**90**	**15**	**0.0003**	8.07E-08			7.73E-10		
	Building Construction - 2023 (Retail)	MHDT,HHDT	8/30/2023	9/1/2023	3	8	**2023**	**75**	**15**	**0.0007**	1.53E-07			1.46E-09		
											2.33E-07	741				
WS	**Building Construction - 2023**	On-Road T7 HHDT Trucks	9/2/2023	10/2/2023	26	8	**2023**		**15**	**0.0003**						
	Building Construction - 2023	MHDT,HHDT	9/2/2023	10/2/2023	26	8	**2023**	**650**	**15**	**0.0007**	1.53E-07	744	1.27E-08			
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	9/2/2023	10/2/2023	26	8	**2023**		**15**	**0.0003**						
	Paving - 2023	On-Road T7 HHDT Trucks	9/2/2023	10/2/2023	26	8	**2023**		**15**	**0.0003**						
ES	**Building Construction - 2023**	On-Road T7 HHDT Trucks	9/2/2023	10/2/2023	26	8	**2023**		**15**	**0.0003**						
	Building Construction - 2023	MHDT,HHDT	9/2/2023	10/2/2023	26	8	**2023**	**650**	**15**	**0.0007**	1.53E-07	748		1.27E-08		
WS	**Building Construction - 2023**	On-Road T7 HHDT Trucks	10/3/2023	10/13/2023	10	8	**2023**		**15**	**0.0003**						
	Building Construction - 2023	MHDT,HHDT	10/3/2023	10/13/2023	10	8	**2023**	**250**	**15**	**0.0007**	1.53E-07	752	4.88E-09			
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	10/3/2023	10/13/2023	10	8	**2023**		**15**	**0.0003**						
ES	**Building Construction - 2023**	On-Road T7 HHDT Trucks	10/3/2023	10/13/2023	10	8	**2023**		**15**	**0.0003**						
	Building Construction - 2023	MHDT,HHDT	10/3/2023	10/13/2023	10	8	**2023**	**250**	**15**	**0.0007**	1.53E-07	755		4.88E-09		
WS	**Building Construction - 2023**	On-Road T7 HHDT Trucks	10/14/2023	12/31/2023	67	8	**2023**		**15**	**0.0003**						
	Building Construction - 2023	MHDT,HHDT	10/14/2023	12/31/2023	67	8	**2023**	**1675**	**15**	**0.0007**	1.53E-07	759	3.27E-08			
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	10/14/2023	12/31/2023	67	8	**2023**		**15**	**0.0003**						
ES	**Building Construction - 2023**	On-Road T7 HHDT Trucks	10/14/2023	12/31/2023	67	8	**2023**		**15**	**0.0003**						
	Building Construction - 2023	MHDT,HHDT	10/14/2023	12/31/2023	67	8	**2023**	**1675**	**15**	**0.0007**	1.53E-07	762		3.27E-08		
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	10/14/2023	12/31/2023	67	8	**2023**		**15**	**0.0003**						
WS	**Building Construction - 2024**	On-Road T7 HHDT Trucks	1/1/2024	1/31/2024	27	8	**2024**		**15**	**0.0003**						Idling Year 4
	Building Construction - 2024	MHDT,HHDT	1/1/2024	1/31/2024	27	8	**2024**	**675**	**15**	**0.0007**	1.45E-07	767	1.25E-08			
	Architectural Coating - 2024	On-Road T7 HHDT Trucks	1/1/2024	1/31/2024	27	8	**2024**		**15**	**0.0003**						2.97E-08 WS
ES	**Building Construction - 2024**	On-Road T7 HHDT Trucks	1/1/2024	1/31/2024	27	8	**2024**		**15**	**0.0003**						
	Building Construction - 2024	MHDT,HHDT	1/1/2024	1/31/2024	27	8	**2024**	**675**	**15**	**0.0007**	1.45E-07	770		1.25E-08		
	Architectural Coating - 2024	On-Road T7 HHDT Trucks	1/1/2024	1/31/2024	27	8	**2024**		**15**	**0.0003**						2.12E-07 ES
WS	**Building Construction - 2024**	On-Road T7 HHDT Trucks	2/1/2024	3/14/2024	37	8	**2024**		**15**	**0.0003**						
	Building Construction - 2024	MHDT,HHDT	2/1/2024	3/14/2024	37	8	**2024**	**925**	**15**	**0.0007**	1.45E-07	775	1.72E-08			
ES	**Building Construction - 2024**	On-Road T7 HHDT Trucks	2/1/2024	3/14/2024	37	8	**2024**		**15**	**0.0003**						
	Building Construction - 2024	MHDT,HHDT	2/1/2024	3/14/2024	37	8	**2024**	**925**	**15**	**0.0007**	1.45E-07	777		1.72E-08		
	Architectural Coating - 2024	On-Road T7 HHDT Trucks	2/1/2024	3/14/2024	37	8	**2024**		**15**	**0.0003**						
ES	**Building Construction - 2024**	On-Road T7 HHDT Trucks	3/15/2024	7/11/2024	102	8	**2024**		**15**	**0.0003**						
	Building Construction - 2024	MHDT,HHDT	3/15/2024	7/11/2024	102	8	**2024**	**2550**	**15**	**0.0007**	1.45E-07	782		4.74E-08		
	Architectural Coating - 2024	On-Road T7 HHDT Trucks	3/15/2024	7/11/2024	102	8	**2024**		**15**	**0.0003**						
ES	**Building Construction - 2024**	On-Road T7 HHDT Trucks	7/12/2024	10/10/2024	78	8	**2024**		**15**	**0.0003**						
	Building Construction - 2024	MHDT,HHDT	7/12/2024	10/10/2024	78	8	**2024**	**1950**	**15**	**0.0007**	1.45E-07	786		3.62E-08		
	Architectural Coating - 2024	On-Road T7 HHDT Trucks	7/12/2024	10/10/2024	78	8	**2024**		**15**	**0.0003**						
	Paving - 2024	On-Road T7 HHDT Trucks	7/12/2024	10/10/2024	78	8	**2024**		**15**	**0.0003**						
ES	**Building Construction - 2024**	On-Road T7 HHDT Trucks	10/11/2024	12/31/2024	70	8	**2024**		**15**	**0.0003**						
	Building Construction - 2024	MHDT,HHDT	10/11/2024	12/31/2024	70	8	**2024**	**1750**	**15**	**0.0007**	1.45E-07	791		3.25E-08		
	Architectural Coating - 2024	On-Road T7 HHDT Trucks	10/11/2024	12/31/2024	70	8	**2024**		**15**	**0.0003**						
ES	**Building Construction - 2025**	On-Road T7 HHDT Trucks	1/1/2025	1/23/2025	20	8	**2025**		**15**	**0.0000**						
	Building Construction - 2025	MHDT,HHDT	1/1/2025	1/23/2025	20	8	**2025**	**500**	**15**	**0.0006**	1.39E-07	795		8.88E-09		
	Architectural Coating - 2025	On-Road T7 HHDT Trucks	1/1/2025	1/23/2025	20	8	**2025**		**15**	**0.0000**						
ES	**Building Construction - 2025**	On-Road T7 HHDT Trucks	1/24/2025	6/22/2025	128	8	**2025**		**15**	**0.0000**						
	Building Construction - 2025	MHDT,HHDT	1/24/2025	6/22/2025	128	8	**2025**	**3200**	**15**	**0.0006**	1.39E-07	799		5.69E-08		

Maximum 12-Month Emissions (for Chronic HI analysis)

Year 3	*West Site*	*313*	*1.52E-07*
Year 3	*East Site*	*313*	*1.71E-07*
Year 4	*West Site*	*313*	*2.97E-08*
Year 4	*East Site*	*313*	*2.12E-07*

Notes:

a. California Air Resources Board, EMFAC2017 on-road vehicle emissions model.

Source: ESA 2020

Hollywood Center
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Construction Health Risk Assessment - UNMITIGATED
On-Road Soil/Material Haul Truck

Construction Phase	Source	Year	Daily One-Way Truck Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)
West Site						
Demolition	T7 - Single Construction	2021	66	2	8	30
Grading/Excavation	T7 - Single Construction	2021/2022	192	209	8	30
Foundations/Concrete Pour (Revised) [MH	T7 - Single Construction	2022				
Shoring Wall	T7 - Single Construction	2022	20	19	8	7.5
Cast in Drilled Hole Foundation	T7 - Single Construction	2022	4	41	8	7.5
Mat Foundation (Continuous Pour)	T7 - Single Construction	2022	188	1	14	7.5
Column Footings	T7 - Single Construction	2022	42	4	8	7.5
Building Construction (Revised) [Starting \	T7 - Single Construction	2022				
Structure Equipment Garage	T7 - Single Construction	2022	84	52	8	7.5
Structure Equipment Tower	T7 - Single Construction	2022	42	42	8	7.5
Structure Equipment Affordable	T7 - Single Construction	2022	48	22	8	7.5
Retail	T7 - Single Construction	2022	28	2	8	7.5
East Site						
Site Preparation	T7 - Single Construction	2022	52	2	8	30
Grading/Excavation	T7 - Single Construction	2022/2023	192	194	8	30
0						
Foundations/Concrete Pour (Revised) [MH	T7 - Single Construction	2023				
Shoring Wall	T7 - Single Construction	2023	20	16	8	7.5
Cast in Drilled Hole Foundation	T7 - Single Construction	2023	4	30	8	7.5
Mat Foundation (Continuous Pour)	T7 - Single Construction	2023	142	1	11	7.5
Column Footings	T7 - Single Construction	2023	42	4	8	7.5
Building Construction (Revised) [Starting \	T7 - Single Construction	2023				
Structure Equipment Garage	T7 - Single Construction	2023	88	58	8	7.5
Structure Equipment Tower	T7 - Single Construction	2023	40	82	8	7.5
Structure Equipment Affordable	T7 - Single Construction	2023	36	18	8	7.5
Retail	T7 - Single Construction	2023	60	3	8	7.5

Source: Based on AECOM Tishman, 2018; Millennium Partners, 2018; ESA, 2020.

Hollywood Center
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Construction Health Risk Assessment - UNMITIGATED
On-Road Vendor Truck

Construction Phase	Source	Year	Daily One-Way Truck Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)
West Site						
Demolition		2021				
Site Preparation		2021				
Grading/Excavation		2021				
		2022				
Foundations/Concrete Pour (Revised) [MHW104: Foundatio		2022				
Foundations		2022				
Concrete Pour		2022				
Utilities/Trenching (Revised) [MHD101: Relocate/Protect Sit		2022				
Building Construction (Revised) [Starting with	MHDT,HHDT	2022				
	MHDT,HHDT	2022	50	263	8	6.9
	MHDT,HHDT	2023	50	312	8	6.9
	MHDT,HHDT	2024	50	64	8	6.9
East Site						
Site Preparation		2022				
Grading/Excavation		2022				
		2023				
Foundations/Concrete Pour (Revised) [MHE104: Foundatior		2023				
Foundations		2023				
Concrete Pour		2023				
Utilities/Trenching (Revised) [MHD101: Relocate/Protect Sit		2022				
Building Construction (Revised) [Starting with	MHDT,HHDT	2023				
	MHDT,HHDT	2023	50	264	8	6.9
	MHDT,HHDT	2024	50	314	8	6.9
	MHDT,HHDT	2025	50	148	8	6.9

Source: Based on AECOM Tishman, 2018; Millennium Partners, 2018; ESA, 2020.

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Construction Health Risk Assessment - UNMITIGATED

AERMOD Source Characteristics

Emission Source	Source Type	Source ID	Number of Sources	Length of Line (m)	Source Group Unitized Emission Rate (g/s)	Release Height (m)	Length of Side X (m)	Length of Side Y (m)	Initial Lateral (m)	Initial Vertical (m)	Plume Height (m)	Plume Width (m)	Exit Temp (°F)	Inside Diameter (ft)	Exit Flow Rate (ft^3/s)
Source Group 1															
West Site - Off-Road Heavy-Duty Construction Equipment	Volume	CEW	29	n/a	0.0345	5	15	15	3.49	1.16	n/a	n/a	n/a	n/a	n/a
Source Group 2															
Idling Haul and Vendor Trucks 3	Volume	IDW	2	n/a	0.5000	5	30	30	6.98	1.16	n/a	n/a	n/a	n/a	n/a
Source Group 5															
On-Road Haul and Vendor Trucks Option 1(unloaded from US101-S to WS)	Line-Volume	UTWO11	1	655.1	0.1486	3	n/a	n/a	n/a	n/a	5.1	9.7	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 1(unloaded from US101-N to WS)	Line-Volume	UTWO12	1	773.4	0.1755	3	n/a	n/a	n/a	n/a	5.1	9.7	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 1(loaded from WS to US101-S)	Line-Volume	LTWO13	1	727.2	0.1650	3	n/a	n/a	n/a	n/a	5.1	9.7	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 1(loaded from WS to US101-N)	Line-Volume	LTWO14	1	929.8	0.2109	3	n/a	n/a	n/a	n/a	5.1	9.7	n/a	n/a	n/a
					0.7000										
On-Road Haul and Vendor Trucks Option 2(unloaded from US101-S to WS)	Line-Volume	UTWO25a	1	850	0.0489	3	n/a	n/a	n/a	n/a	5.1	20.8	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 2(unloaded from US101-S to WS)	Line-Volume	UTWO25b	1	654.5	0.0377	3	n/a	n/a	n/a	n/a	5.1	13.4	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 2(unloaded from US101-S to WS)	Line-Volume	UTWO25c	1	186.1	0.0107	3	n/a	n/a	n/a	n/a	5.1	9.7	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 2(unloaded from US101-N to WS)	Line-Volume	UTWO26a	1	653.7	0.0376	3	n/a	n/a	n/a	n/a	5.1	13.4	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 2(unloaded from US101-N to WS)	Line-Volume	UTWO26b	1	186.2	0.0107	3	n/a	n/a	n/a	n/a	5.1	9.7	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 2(loaded from WS to US101-S)	Line-Volume	LTWO27a	1	384.2	0.0221	3	n/a	n/a	n/a	n/a	5.1	9.7	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 2(loaded from WS to US101-S)	Line-Volume	LTWO27b	1	531	0.0306	3	n/a	n/a	n/a	n/a	5.1	13.4	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 2(loaded from WS to US101-N)	Line-Volume	LTWO28a	1	383.7	0.0221	3	n/a	n/a	n/a	n/a	5.1	9.7	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 2(loaded from WS to US101-N)	Line-Volume	LTWO28b	1	531	0.0306	3	n/a	n/a	n/a	n/a	5.1	13.4	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 2(loaded from WS to US101-N)	Line-Volume	LTWO28c	1	850.8	0.0490	3	n/a	n/a	n/a	n/a	5.1	20.8	n/a	n/a	n/a
					0.3000										
Source Group 3															
East Site - Off-Road Heavy-Duty Construction Equipment	Volume	CEE	25	n/a	0.0400	5	15	15	3.49	1.16	n/a	n/a	n/a	n/a	n/a
Source Group 4															
Idling Haul and Vendor Trucks 3	Volume	IDE	2	n/a	0.5000	5	30	30	6.98	1.16	n/a	n/a	n/a	n/a	n/a
Source Group 6															
On-Road Haul and Vendor Trucks Option 1(unloaded from US101-S to ES)	Line-Volume	UTEO11	1	609.1	0.1497	3	n/a	n/a	n/a	n/a	5.1	9.7	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 1(unloaded from US101-N to ES)	Line-Volume	UTEO12	1	714	0.1754	3	n/a	n/a	n/a	n/a	5.1	9.7	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 1(loaded from ES to US101-S)	Line-Volume	LTEO13	1	666.6	0.1638	3	n/a	n/a	n/a	n/a	5.1	9.7	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 1(loaded from ES to US101-N)	Line-Volume	LTEO14	1	859	0.2111	3	n/a	n/a	n/a	n/a	5.1	9.7	n/a	n/a	n/a
					0.7000										
On-Road Haul and Vendor Trucks Option 2(unloaded from US101-S to ES)	Line-Volume	UTEO25a	1	851	0.0601	3	n/a	n/a	n/a	n/a	5.1	20.8	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 2(unloaded from US101-S to ES)	Line-Volume	UTEO25b	1	517.3	0.0365	3	n/a	n/a	n/a	n/a	5.1	13.4	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 2(unloaded from US101-S to ES)	Line-Volume	UTEO25c	1	115.5	0.0082	3	n/a	n/a	n/a	n/a	5.1	9.7	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 2(unloaded from US101-N to ES)	Line-Volume	UTEO26a	1	514	0.0363	3	n/a	n/a	n/a	n/a	5.1	13.4	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 2(unloaded from US101-N to ES)	Line-Volume	UTEO26b	1	113.9	0.0080	3	n/a	n/a	n/a	n/a	5.1	9.7	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 2(loaded from ES to US101-S)	Line-Volume	LTEO27a	1	119.2	0.0084	3	n/a	n/a	n/a	n/a	5.1	9.7	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 2(loaded from ES to US101-S)	Line-Volume	LTEO27b	1	526.2	0.0372	3	n/a	n/a	n/a	n/a	5.1	13.4	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 2(loaded from ES to US101-N)	Line-Volume	LTEO28a	1	118	0.0083	3	n/a	n/a	n/a	n/a	5.1	9.7	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 2(loaded from ES to US101-N)	Line-Volume	LTEO28b	1	524.9	0.0371	3	n/a	n/a	n/a	n/a	5.1	13.4	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 2(loaded from ES to US101-N)	Line-Volume	LTEO28c	1	848.3	0.0599	3	n/a	n/a	n/a	n/a	5.1	20.8	n/a	n/a	n/a
					0.3000										

Source: ESA 2020

Source ID Key
- CEW - Construction Equipment West Site
- CEE - Construction Equipment East Site
- IDW - Idling West Site
- IDE - Idling East Site
- UTWO1 - Unloaded Truck West Site Haul Route Option 1
- UTWO2 - Unloaded Truck West Site Haul Route Option 2
- LTWO1 - Loaded Truck West Site Haul Route Option 1
- LTWO2 - Unloaded Truck West Site Haul Route Option 2
- UTEO1 - Unloaded Truck East Site Haul Route Option 1
- UTEO2 - Unloaded Truck East Site Haul Route Option 2
- LTEO1 - Loaded Truck East Site Haul Route Option 1
- LTEO2 - Loaded Truck East Site Haul Route Option 2

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AERMOD Results

Emission Source	Source Type	Source Group Unitized Maximum AERMOD Concentration at Maximum Impact Sensitive Receptor ($\mu g/m^3$)		
		Max Impacted Sensitive Receptor Near West Site from West+East Site Construction UTM: 377552, 3774329 (Residential)	Max Impacted Sensitive Receptor Near East Site from West+East Site Construction UTM: 377722, 3774389 (Residential)	Max Impacted School Receptor from West+East Site Construction UTM: 377722, 3774389 (School)
Source Group 1 - WS Equip		13.48	3.65	58.82
Source Group 1 - ES Equip		3.80	48.03	3.83
Off-Road Heavy-Duty Construction Equipment	*Volume*			
Source Group 2 - WS Haul		1.71	2.71	6.39
Source Group 2 - ES Haul		3.90	3.50	7.61
On-Road Haul and Vendor Trucks	*Line-Volume*			
Source Group 3 - WS Haul		7.56	1.95	14.76
Source Group 3 - ES Haul		6.36	13.68	5.35
Idling Haul and Vendor Trucks	*Volume*			

Source: Lakes Environmental, AERMOD View, 2020; ESA 2020

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Maximum Individual Cancer Risk Calculations - Sensitive Receptors (Maximum Impacted Residential Receptor located near the West Site)

Concentrations

		Construction Phase/Equipment	Emissions Group 1 (0.25 years)	2 (2 years)	3 (67.75 years)
Days	WS	Demolition - 2021	2		
CONC		Off-Road Equipment	1.89E-01		
		On-Road Trucks	1.99E-04		
		Idling Trucks	2.80E-06		
Days	WS	Demolition - 2021	7		
CONC		Off-Road Equipment	1.89E-01		
		On-Road Trucks			
		Idling Trucks			
Days	WS	Demolition - 2021			
CONC		Utilities/Trenching - 2021	15		
		Off-Road Equipment	2.76E-01		
		On-Road Trucks			
		Idling Trucks			
Days	WS	Demolition - 2021			
CONC		Utilities/Trenching - 2021			
		Site Preparation - 2021	3		
		Off-Road Equipment	3.26E-01		
		On-Road Trucks			
		Idling Trucks			
Days	WS	Demolition - 2021			
CONC		Site Preparation - 2021	6		
		Off-Road Equipment	2.39E-01		
		On-Road Trucks			
		Idling Trucks			
Days	WS	Demolition - 2021			
CONC		Site Preparation - 2021			
		Grading - 2021	15		
		Off-Road Equipment	4.37E-01		
		On-Road Trucks	5.79E-04		
		Idling Trucks	8.15E-06		
Days	WS	Demolition - 2021			
CONC		Grading - 2021	1		
		Off-Road Equipment	3.87E-01		
		On-Road Trucks	5.79E-04		
		Idling Trucks	8.15E-06		
Days	WS	Grading - 2021	32		
CONC		Off-Road Equipment	1.98E-01		
		On-Road Trucks	5.79E-04		
		Idling Trucks	8.15E-06		
Days	WS	Grading - 2021		161	
CONC		Off-Road Equipment		1.98E-01	
		On-Road Trucks		5.79E-04	
		Idling Trucks		8.15E-06	
Days	WS	Grading - 2021		70	
CONC		Off-Road Equipment		1.98E-01	
		On-Road Trucks			
		Idling Trucks			
Days	WS	Grading - 2022		1	
CONC		Off-Road Equipment		1.62E-01	
		On-Road Trucks			
		Idling Trucks			
Days	WS	Foundations/Concrete Pour - 2022 (Shoring Wall)			
CONC		Foundations/Concrete Pour - 2022 (Cast in Drilled Hole Foundation)		19	
		Off-Road Equipment		1.91E-01	
		On-Road Trucks		2.57E-05	
		Idling Trucks		4.15E-07	
Days	WS	Foundations/Concrete Pour - 2022 (Cast in Drilled Hole Foundation)		22	
CONC		Off-Road Equipment		9.57E-02	
		On-Road Trucks		4.29E-06	
		Idling Trucks		6.92E-08	

Days	WS	Foundations/Concrete Pour - 2022 (Mat Foundation)	1
CONC		Off-Road Equipment	6.61E-02
		On-Road Trucks	1.15E-04
		Idling Trucks	1.86E-06
Days	WS	Foundations/Concrete Pour - 2022 (Column Footings)	4
CONC		Off-Road Equipment	9.57E-02
		On-Road Trucks	4.51E-05
		Idling Trucks	7.26E-07
Days	WS	Foundations - 2022	3
CONC		Off-Road Equipment	0.00E+00
		On-Road Trucks	
		Idling Trucks	
Days	WS	Building Construction - 2022 (Structure Equipment Garage)	
CONC	ES	Site Preparation - 2022	2
		Off-Road Equipment	1.55E-01
		On-Road Trucks	2.74E-04
		Idling Trucks	3.96E-06
Days	WS	Building Construction - 2022 (Structure Equipment Garage)	
CONC	ES	Site Preparation - 2022	10
		Off-Road Equipment	1.55E-01
		On-Road Trucks	1.47E-04
		Idling Trucks	3.20E-06
Days	WS	Building Construction - 2022 (Structure Equipment Garage)	
CONC	ES	Site Preparation - 2022	
		Utilities/Trenching - 2022	
		Grading - 2022	11
		Off-Road Equipment	2.42E-01
		On-Road Trucks	6.17E-04
		Idling Trucks	5.99E-06
Days	WS	Building Construction - 2022 (Structure Equipment Garage)	
CONC	ES	Site Preparation - 2022	
		Grading - 2022	4
		Off-Road Equipment	1.96E-01
		On-Road Trucks	6.17E-04
		Idling Trucks	5.99E-06
Days	WS	Building Construction - 2022 (Structure Equipment Garage)	
CONC	ES	Grading - 2022	25
		Off-Road Equipment	1.44E-01
		On-Road Trucks	6.17E-04
		Idling Trucks	5.99E-06
Days	WS	Building Construction - 2022 (Structure Equipment Tower)	
CONC	ES	Grading - 2022	42
		Off-Road Equipment	1.85E-01
		On-Road Trucks	5.72E-04
		Idling Trucks	5.27E-06
Days	WS	Building Construction - 2022 (Structure Equipment Affordable)	
CONC	ES	Grading - 2022	22
		Off-Road Equipment	1.85E-01
		On-Road Trucks	5.78E-04
		Idling Trucks	5.37E-06
Days	WS	Building Construction - 2022 (Retail)	
CONC	ES	Grading - 2022	2
		Off-Road Equipment	1.85E-01
		On-Road Trucks	5.57E-04
		Idling Trucks	5.02E-06
Days	WS	Building Construction - 2022	
CONC	ES	Grading - 2022	84
		Off-Road Equipment	1.85E-01
		On-Road Trucks	5.27E-04
		Idling Trucks	3.66E-06
Days	WS	Building Construction - 2022	
CONC		Architectural Coating - 2022	
	ES	Grading - 2022	4
		Off-Road Equipment	2.26E-01
		On-Road Trucks	5.27E-04
		Idling Trucks	4.54E-06
Days	WS	Building Construction - 2022	
CONC		Architectural Coating - 2022	
	ES	Grading - 2022	58
		Off-Road Equipment	2.26E-01
		On-Road Trucks	5.69E-05
		Idling Trucks	1.75E-06

Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
	ES	Grading - 2023	8	
		Off-Road Equipment	1.83E-01	
		On-Road Trucks	2.21E-05	
		Idling Trucks	1.15E-06	
Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
	ES	Foundations/Concrete Pour (Shoring Wall) - 2023		
		Foundations/Concrete Pour (Cast In Drilled Hole Foundation) - 2023	16	
		Off-Road Equipment	2.07E-01	
		On-Road Trucks	5.00E-05	
		Idling Trucks	1.36E-06	
Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
	ES	Foundations/Concrete Pour (Cast In Drilled Hole Foundation) - 2023	14	
		Off-Road Equipment	2.76E-01	
		On-Road Trucks	2.68E-05	
		Idling Trucks	1.19E-06	
Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
	ES	Foundations/Concrete Pour (Mat Foundation)- 2023	1	
		Off-Road Equipment	1.78E-01	
		On-Road Trucks	1.42E-04	
		Idling Trucks	2.04E-06	
Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
	ES	Foundations/Concrete Pour (Column Footings) - 2023	4	
		Off-Road Equipment	1.85E-01	
		On-Road Trucks	7.09E-05	
		Idling Trucks	1.51E-06	
Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
	ES	Foundations - 2023	5	
		Off-Road Equipment	1.85E-01	
		On-Road Trucks	2.21E-05	
		Idling Trucks	1.15E-06	
Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
	ES	Building Construction - 2023 (Structure Equipment Garage)	34	24
		Off-Road Equipment	1.98E-01	1.98E-01
		On-Road Trucks	1.75E-04	1.75E-04
		Idling Trucks	2.88E-06	2.88E-06
Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
	ES	Building Construction - 2023 (Structure Equipment Tower)		53
		Off-Road Equipment		1.98E-01
		On-Road Trucks		1.19E-04
		Idling Trucks		2.47E-06
Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
		Paving - 2023		
	ES	Building Construction - 2023 (Structure Equipment Tower)		29
		Off-Road Equipment		4.22E-01
		On-Road Trucks		1.19E-04
		Idling Trucks		2.47E-06
Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
		Paving - 2023		
	ES	Building Construction - 2023 (Structure Equipment Affordable)		18
		Off-Road Equipment		4.22E-01
		On-Road Trucks		1.14E-04
		Idling Trucks		2.43E-06
Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
		Paving - 2023		
	ES	Building Construction - 2023 (Retail)		3
		Off-Road Equipment		4.22E-01
		On-Road Trucks		1.42E-04
		Idling Trucks		2.64E-06

Days	WS	Building Construction - 2023					
CONC		Architectural Coating - 2023					
		Paving - 2023					
	ES	Building Construction - 2023			26		
		Off-Road Equipment			4.22E-01		
		On-Road Trucks			7.27E-05		
		Idling Trucks			2.13E-06		
Days	WS	Building Construction - 2023					
CONC		Architectural Coating - 2023					
	ES	Building Construction - 2023			10		
		Off-Road Equipment			1.98E-01		
		On-Road Trucks			7.27E-05		
		Idling Trucks			2.13E-06		
Days	WS	Building Construction - 2023					
CONC		Architectural Coating - 2023					
	ES	Building Construction - 2023					
		Architectural Coating - 2023			67		
		Off-Road Equipment			2.08E-01		
		On-Road Trucks			7.27E-05		
		Idling Trucks			2.13E-06		
Days	WS	Building Construction - 2024					
CONC		Architectural Coating - 2024					
	ES	Building Construction - 2024					
		Architectural Coating - 2024			27		
		Off-Road Equipment			1.83E-01		
		On-Road Trucks			7.31E-05		
		Idling Trucks			2.02E-06		
Days	WS	Building Construction - 2024					
CONC	ES	Building Construction - 2024					
		Architectural Coating - 2024			37		
		Off-Road Equipment			1.11E-01		
		On-Road Trucks			7.31E-05		
		Idling Trucks			2.02E-06		
Days	ES	Building Construction - 2024					
CONC		Architectural Coating - 2024			102		
		Off-Road Equipment			4.03E-02		
		On-Road Trucks			5.08E-05		
		Idling Trucks			9.24E-07		
Days	ES	Building Construction - 2024					
CONC		Architectural Coating - 2024					
		Paving - 2024			78		
		Off-Road Equipment			4.87E-02		
		On-Road Trucks			5.08E-05		
		Idling Trucks			9.24E-07		
Days	ES	Building Construction - 2024					
CONC		Architectural Coating - 2024			70		
		Off-Road Equipment			4.03E-02		
		On-Road Trucks			5.08E-05		
		Idling Trucks			9.24E-07		
Days	ES	Building Construction - 2025					
CONC		Architectural Coating - 2025			20		
		Off-Road Equipment			3.52E-02		
		On-Road Trucks			5.10E-05		
		Idling Trucks			8.84E-07		
Days	ES	Building Construction - 2025			128		
CONC		Off-Road Equipment			2.74E-02		
		On-Road Trucks			5.10E-05		
		Idling Trucks			8.84E-07	Start Date	End Date
						1/4/2021	4/6/2021
		Work Days in Emissions Group (6 work days/week)	80	626	692	4/7/2021	4/6/2023
		Average Annual Concentration in Emissions Group	2.36E-01	2.23E-01	3.53E-03	4/7/2023	6/22/2025

Source: ESA 2020

Cancer Risk Calculations

Parameter		Emissions Group 1 (0.25 years)	2 (2 years)	3 (67.75 years)	Total
DBR	Daily Breathing Rate (L/kg (body weight) per day)	302	302	302	
A	Inhalation absorption factor (default = 1).	1	1	1	
EF	Exposure Frequency (days/year)	350	350	350	
ED	Exposure Duration (years)	0.25	2	67.75	**70**
EFV	Exposure Factor Value (unitless)	1	1	1	
AT	Averaged Exposure Time Period (days)	25550	25550	25550	
CONC	Toxic Air Contaminant Concentration ($\mu g/m^3$)	2.36E-01	2.23E-01	3.53E-03	
DOSE	*[= CONC × DBR × A × EF × ED × FAH / AT]* (mg/kg-d)	2.44E-01	1.85E+00	9.90E-01	
CPF	Cancer Potency Factor $(mg/kg\text{-}d)^{-1}$ Diesel Particulate Matter	1.1	1.1	1.1	
RISK	Cancer Risk (in one million) [= *DOSE × CPF × ASF]*	2.69E-01	2.03E+00	1.09E+00	**3.39**

Note: Risk levels assume maximum construction activity levels for every day of Project construction. Actual risks based on average daily activity levels may be lower.

Sources:

OEHHA, Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments, 2003.

SCAQMD, Risk Assessment Procedures for Rules 1401 and 212, Appendix L, Version 7.0, 2012.

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Maximum Individual Cancer Risk Calculations - Sensitive Receptors (Maximum Impacted Residential Receptor located near the East Site)

Concentrations

		Construction Phase/Equipment	Emissions Group 1 (0.25 years)	2 (2 years)	3 (67.75 years)
Days	WS	Demolition - 2021	2		
CONC		Off-Road Equipment	5.12E-02		
		On-Road Trucks	3.15E-04		
		Idling Trucks	7.23E-07		
Days	WS	Demolition - 2021	7		
CONC		Off-Road Equipment	5.12E-02		
		On-Road Trucks			
		Idling Trucks			
Days	WS	Demolition - 2021			
CONC		Utilities/Trenching - 2021	15		
		Off-Road Equipment	7.48E-02		
		On-Road Trucks			
		Idling Trucks			
Days	WS	Demolition - 2021			
CONC		Utilities/Trenching - 2021			
		Site Preparation - 2021	3		
		Off-Road Equipment	8.82E-02		
		On-Road Trucks			
		Idling Trucks			
Days	WS	Demolition - 2021			
CONC		Site Preparation - 2021	6		
		Off-Road Equipment	6.46E-02		
		On-Road Trucks			
		Idling Trucks			
Days	WS	Demolition - 2021			
CONC		Site Preparation - 2021			
		Grading - 2021	15		
		Off-Road Equipment	1.18E-01		
		On-Road Trucks	9.17E-04		
		Idling Trucks	2.10E-06		
Days	WS	Demolition - 2021			
CONC		Grading - 2021	1		
		Off-Road Equipment	1.05E-01		
		On-Road Trucks	9.17E-04		
		Idling Trucks	2.10E-06		
Days	WS	Grading - 2021	32		
CONC		Off-Road Equipment	5.37E-02		
		On-Road Trucks	9.17E-04		
		Idling Trucks	2.10E-06		
Days	WS	Grading - 2021		161	
CONC		Off-Road Equipment		5.37E-02	
		On-Road Trucks		9.17E-04	
		Idling Trucks		2.10E-06	
Days	WS	Grading - 2021		70	
CONC		Off-Road Equipment		5.37E-02	
		On-Road Trucks			
		Idling Trucks			
Days	WS	Grading - 2022		1	
CONC		Off-Road Equipment		4.39E-02	
		On-Road Trucks			
		Idling Trucks			
Days	WS	Foundations/Concrete Pour - 2022 (Shoring Wall)			
CONC		Foundations/Concrete Pour - 2022 (Cast in Drilled Hole Foundation)		19	
		Off-Road Equipment		5.18E-02	
		On-Road Trucks		4.08E-05	
		Idling Trucks		1.07E-07	
Days	WS	Foundations/Concrete Pour - 2022 (Cast in Drilled Hole Foundation)		22	
CONC		Off-Road Equipment		2.59E-02	
		On-Road Trucks		6.80E-06	
		Idling Trucks		1.78E-08	

Days	WS	Foundations/Concrete Pour - 2022 (Mat Foundation)	1
CONC		Off-Road Equipment	1.79E-02
		On-Road Trucks	1.83E-04
		Idling Trucks	4.79E-07
Days	WS	Foundations/Concrete Pour - 2022 (Column Footings)	4
CONC		Off-Road Equipment	2.59E-02
		On-Road Trucks	7.14E-05
		Idling Trucks	1.87E-07
Days	WS	Foundations - 2022	3
CONC		Off-Road Equipment	0.00E+00
		On-Road Trucks	
		Idling Trucks	
Days	WS	Building Construction - 2022 (Structure Equipment Garage)	
CONC	ES	Site Preparation - 2022	2
		Off-Road Equipment	1.81E-01
		On-Road Trucks	3.47E-04
		Idling Trucks	2.45E-06
Days	WS	Building Construction - 2022 (Structure Equipment Garage)	
CONC	ES	Site Preparation - 2022	10
		Off-Road Equipment	1.81E-01
		On-Road Trucks	2.33E-04
		Idling Trucks	8.25E-07
Days	WS	Building Construction - 2022 (Structure Equipment Garage)	
CONC	ES	Site Preparation - 2022	
		Utilities/Trenching - 2022	
		Grading - 2022	11
		Off-Road Equipment	1.27E+00
		On-Road Trucks	6.55E-04
		Idling Trucks	6.83E-06
Days	WS	Building Construction - 2022 (Structure Equipment Garage)	
CONC	ES	Site Preparation - 2022	
		Grading - 2022	4
		Off-Road Equipment	6.93E-01
		On-Road Trucks	6.55E-04
		Idling Trucks	6.83E-06
Days	WS	Building Construction - 2022 (Structure Equipment Garage)	
CONC	ES	Grading - 2022	25
		Off-Road Equipment	3.90E-02
		On-Road Trucks	6.55E-04
		Idling Trucks	6.83E-06
Days	WS	Building Construction - 2022 (Structure Equipment Tower)	
CONC	ES	Grading - 2022	42
		Off-Road Equipment	5.52E-01
		On-Road Trucks	5.83E-04
		Idling Trucks	6.65E-06
Days	WS	Building Construction - 2022 (Structure Equipment Affordable)	
CONC	ES	Grading - 2022	22
		Off-Road Equipment	5.52E-01
		On-Road Trucks	5.93E-04
		Idling Trucks	6.67E-06
Days	WS	Building Construction - 2022 (Retail)	
CONC	ES	Grading - 2022	2
		Off-Road Equipment	5.52E-01
		On-Road Trucks	5.59E-04
		Idling Trucks	6.58E-06
Days	WS	Building Construction - 2022	
CONC	ES	Grading - 2022	84
		Off-Road Equipment	5.52E-01
		On-Road Trucks	5.12E-04
		Idling Trucks	6.23E-06
Days	WS	Building Construction - 2022	
CONC		Architectural Coating - 2022	
	ES	Grading - 2022	4
		Off-Road Equipment	5.63E-01
		On-Road Trucks	5.12E-04
		Idling Trucks	6.46E-06
Days	WS	Building Construction - 2022	
CONC		Architectural Coating - 2022	
	ES	Grading - 2022	58
		Off-Road Equipment	5.63E-01
		On-Road Trucks	9.02E-05
		Idling Trucks	4.50E-07

Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
	ES	Grading - 2023	8	
		Off-Road Equipment	3.08E-01	
		On-Road Trucks	3.51E-05	
		Idling Trucks	2.98E-07	
Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
	ES	Foundations/Concrete Pour (Shoring Wall) - 2023		
		Foundations/Concrete Pour (Cast In Drilled Hole Foundation) - 2023	16	
		Off-Road Equipment	6.12E-01	
		On-Road Trucks	6.01E-05	
		Idling Trucks	7.39E-07	
Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
	ES	Foundations/Concrete Pour (Cast In Drilled Hole Foundation) - 2023	14	
		Off-Road Equipment	1.48E+00	
		On-Road Trucks	3.93E-05	
		Idling Trucks	3.71E-07	
Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
	ES	Foundations/Concrete Pour (Mat Foundation)- 2023	1	
		Off-Road Equipment	2.48E-01	
		On-Road Trucks	1.43E-04	
		Idling Trucks	2.20E-06	
Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
	ES	Foundations/Concrete Pour (Column Footings) - 2023	4	
		Off-Road Equipment	3.28E-01	
		On-Road Trucks	7.89E-05	
		Idling Trucks	1.07E-06	
Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
	ES	Foundations - 2023	5	
		Off-Road Equipment	3.28E-01	
		On-Road Trucks	3.51E-05	
		Idling Trucks	2.98E-07	
Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
	ES	Building Construction - 2023 (Structure Equipment Garage)	34	24
		Off-Road Equipment	4.93E-01	4.93E-01
		On-Road Trucks	1.72E-04	1.72E-04
		Idling Trucks	4.01E-06	4.01E-06
Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
	ES	Building Construction - 2023 (Structure Equipment Tower)		53
		Off-Road Equipment		4.93E-01
		On-Road Trucks		1.22E-04
		Idling Trucks		3.12E-06
Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
		Paving - 2023		
	ES	Building Construction - 2023 (Structure Equipment Tower)		29
		Off-Road Equipment		5.54E-01
		On-Road Trucks		1.22E-04
		Idling Trucks		3.12E-06
Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
		Paving - 2023		
	ES	Building Construction - 2023 (Structure Equipment Affordable)		18
		Off-Road Equipment		5.54E-01
		On-Road Trucks		1.18E-04
		Idling Trucks		3.05E-06
Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
		Paving - 2023		
	ES	Building Construction - 2023 (Retail)		3
		Off-Road Equipment		5.54E-01
		On-Road Trucks		1.43E-04
		Idling Trucks		3.49E-06

Days	WS	Building Construction - 2023					
CONC		Architectural Coating - 2023					
		Paving - 2023					
	ES	Building Construction - 2023			26		
		Off-Road Equipment			5.54E-01		
		On-Road Trucks			8.04E-05		
		Idling Trucks			2.39E-06		
Days	WS	Building Construction - 2023					
CONC		Architectural Coating - 2023					
	ES	Building Construction - 2023			10		
		Off-Road Equipment			4.93E-01		
		On-Road Trucks			8.04E-05		
		Idling Trucks			2.39E-06		
Days	WS	Building Construction - 2023					
CONC		Architectural Coating - 2023					
	ES	Building Construction - 2023					
		Architectural Coating - 2023			67		
		Off-Road Equipment			6.22E-01		
		On-Road Trucks			8.04E-05		
		Idling Trucks			2.39E-06		
Days	WS	Building Construction - 2024					
CONC		Architectural Coating - 2024					
	ES	Building Construction - 2024					
		Architectural Coating - 2024			27		
		Off-Road Equipment			5.48E-01		
		On-Road Trucks			8.09E-05		
		Idling Trucks			2.27E-06		
Days	WS	Building Construction - 2024					
CONC	ES	Building Construction - 2024					
		Architectural Coating - 2024			37		
		Off-Road Equipment			3.01E-02		
		On-Road Trucks			8.09E-05		
		Idling Trucks			2.27E-06		
Days	ES	Building Construction - 2024					
CONC		Architectural Coating - 2024			102		
		Off-Road Equipment			5.09E-01		
		On-Road Trucks			4.56E-05		
		Idling Trucks			1.99E-06		
Days	ES	Building Construction - 2024					
CONC		Architectural Coating - 2024					
		Paving - 2024			78		
		Off-Road Equipment			6.16E-01		
		On-Road Trucks			4.56E-05		
		Idling Trucks			1.99E-06		
Days	ES	Building Construction - 2024					
CONC		Architectural Coating - 2024			70		
		Off-Road Equipment			5.09E-01		
		On-Road Trucks			4.56E-05		
		Idling Trucks			1.99E-06		
Days	ES	Building Construction - 2025					
CONC		Architectural Coating - 2025			20		
		Off-Road Equipment			4.45E-01		
		On-Road Trucks			4.58E-05		
		Idling Trucks			1.90E-06		
Days	ES	Building Construction - 2025			128		
CONC		Off-Road Equipment			3.47E-01		
		On-Road Trucks			4.58E-05		
		Idling Trucks			1.90E-06	Start Date	End Date
						1/4/2021	4/6/2021
		Work Days in Emissions Group (6 work days/week)	80	626	692	4/7/2021	4/6/2023
		Average Annual Concentration in Emissions Group	6.44E-02	3.80E-01	1.34E-02	4/7/2023	6/22/2025

Source: ESA 2020

Cancer Risk Calculations

Parameter		Emissions Group			Total
		1 (0.25 years)	2 (2 years)	3 (67.75 years)	
DBR	Daily Breathing Rate (L/kg (body weight) per day)	302	302	302	
A	Inhalation absorption factor (default = 1).	1	1	1	
EF	Exposure Frequency (days/year)	350	350	350	
ED	Exposure Duration (years)	0.25	2	67.75	**70**
EFV	Exposure Factor Value (unitless)	1	1	1	
AT	Averaged Exposure Time Period (days)	25550	25550	25550	
CONC	Toxic Air Contaminant Concentration (µg/m^3)	6.44E-02	3.80E-01	1.34E-02	
DOSE	*[= CONC × DBR × A × EF × ED × FAH / AT]* (mg/kg-d)	6.66E-02	3.15E+00	3.76E+00	
CPF	Cancer Potency Factor (mg/kg-d)$^{-1}$				
	Diesel Particulate Matter	1.1	1.1	1.1	
RISK	Cancer Risk (in one million) [= *DOSE × CPF × ASF]*	7.33E-02	3.46E+00	4.13E+00	**7.67**

Note: Risk levels assume maximum construction activity levels for every day of Project construction. Actual risks based on average daily activity levels may be lower.

Sources:

OEHHA, Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments, 2003.

SCAQMD, Risk Assessment Procedures for Rules 1401 and 212, Appendix L, Version 7.0, 2012.

ESA, 2020

Hollywood Center
Draft Environmental Impact Report
Construction Health Risk Assessment - UNMITIGATED

Maximum Individual Cancer Risk Calculations - Sensitive School Receptor

Concentrations

			Construction Phase/Equipment	Emissions Group 1 (0.25 years)	Emissions Group 2 (2 years)
1	Days	WS	Demolition - 2021	2	
	CONC		Off-Road Equipment	8.25E-01	
			On-Road Trucks	7.43E-04	
			Idling Trucks	5.47E-06	
2	Days	WS	Demolition - 2021	7	
	CONC		Off-Road Equipment	8.25E-01	
			On-Road Trucks		
			Idling Trucks		
3	Days	WS	Demolition - 2021		
	CONC		Utilities/Trenching - 2021	15	
			Off-Road Equipment	1.20E+00	
			On-Road Trucks		
			Idling Trucks		
4	Days	WS	Demolition - 2021		
	CONC		Utilities/Trenching - 2021		
			Site Preparation - 2021	3	
			Off-Road Equipment	1.42E+00	
			On-Road Trucks		
			Idling Trucks		
5	Days	WS	Demolition - 2021		
	CONC		Site Preparation - 2021	6	
			Off-Road Equipment	1.04E+00	
			On-Road Trucks		
			Idling Trucks		
6	Days	WS	Demolition - 2021		
	CONC		Site Preparation - 2021		
			Grading - 2021	15	
			Off-Road Equipment	1.91E+00	
			On-Road Trucks	2.16E-03	
			Idling Trucks	1.59E-05	
7	Days	WS	Demolition - 2021		
	CONC		Grading - 2021	1	
			Off-Road Equipment	1.69E+00	
			On-Road Trucks	2.16E-03	
			Idling Trucks	1.59E-05	
8	Days	WS	Grading - 2021	32	
	CONC		Off-Road Equipment	8.65E-01	
			On-Road Trucks	2.16E-03	
			Idling Trucks	1.59E-05	
8	Days	WS	Grading - 2021		161
	CONC		Off-Road Equipment		8.65E-01
			On-Road Trucks		2.16E-03
			Idling Trucks		1.59E-05
9	Days	WS	Grading - 2021		70
	CONC		Off-Road Equipment		8.65E-01
			On-Road Trucks		
			Idling Trucks		
10	Days	WS	Grading - 2022		1
	CONC		Off-Road Equipment		7.08E-01
			On-Road Trucks		
			Idling Trucks		
11	Days	WS	Foundations/Concrete Pour - 2022 (Shoring Wall)		
	CONC		Foundations/Concrete Pour - 2022 (Cast in Drilled Hole Foundation)		19
			Off-Road Equipment		8.35E-01
			On-Road Trucks		9.62E-05
			Idling Trucks		8.10E-07
12	Days	WS	Foundations/Concrete Pour - 2022 (Cast in Drilled Hole Foundation)		22
	CONC		Off-Road Equipment		4.17E-01
			On-Road Trucks		1.60E-05
			Idling Trucks		1.35E-07

13	Days	WS	Foundations/Concrete Pour - 2022 (Mat Foundation)	1
	CONC		Off-Road Equipment	2.88E-01
			On-Road Trucks	4.31E-04
			Idling Trucks	3.63E-06
14	Days	WS	Foundations/Concrete Pour - 2022 (Column Footings)	4
	CONC		Off-Road Equipment	4.17E-01
			On-Road Trucks	1.68E-04
			Idling Trucks	1.42E-06
15	Days	WS	Foundations - 2022	3
	CONC		Off-Road Equipment	0.00E+00
			On-Road Trucks	
			Idling Trucks	
16	Days	WS	Building Construction - 2022 (Structure Equipment Garage)	
	CONC	ES	Site Preparation - 2022	2
			Off-Road Equipment	6.40E-01
			On-Road Trucks	7.98E-04
			Idling Trucks	6.88E-06
17	Days	WS	Building Construction - 2022 (Structure Equipment Garage)	
	CONC	ES	Site Preparation - 2022	10
			Off-Road Equipment	6.40E-01
			On-Road Trucks	5.49E-04
			Idling Trucks	6.25E-06
18	Days	WS	Building Construction - 2022 (Structure Equipment Garage)	
	CONC	ES	Site Preparation - 2022	
			Utilities/Trenching - 2022	
			Grading - 2022	11
			Off-Road Equipment	7.27E-01
			On-Road Trucks	1.47E-03
			Idling Trucks	8.59E-06
19	Days	WS	Building Construction - 2022 (Structure Equipment Garage)	
	CONC	ES	Site Preparation - 2022	
			Grading - 2022	4
			Off-Road Equipment	6.81E-01
			On-Road Trucks	1.47E-03
			Idling Trucks	8.59E-06
20	Days	WS	Building Construction - 2022 (Structure Equipment Garage)	
	CONC	ES	Grading - 2022	25
			Off-Road Equipment	6.29E-01
			On-Road Trucks	1.47E-03
			Idling Trucks	8.59E-06
21	Days	WS	Building Construction - 2022 (Structure Equipment Tower)	
	CONC	ES	Grading - 2022	42
			Off-Road Equipment	6.70E-01
			On-Road Trucks	1.30E-03
			Idling Trucks	7.18E-06
22	Days	WS	Building Construction - 2022 (Structure Equipment Affordable)	
	CONC	ES	Grading - 2022	22
			Off-Road Equipment	6.70E-01
			On-Road Trucks	1.32E-03
			Idling Trucks	7.38E-06
23	Days	WS	Building Construction - 2022 (Retail)	
	CONC	ES	Grading - 2022	2
			Off-Road Equipment	6.70E-01
			On-Road Trucks	1.24E-03
			Idling Trucks	6.70E-06
24	Days	WS	Building Construction - 2022	
	CONC	ES	Grading - 2022	84
			Off-Road Equipment	6.70E-01
			On-Road Trucks	1.13E-03
			Idling Trucks	4.04E-06
25	Days	WS	Building Construction - 2022	
	CONC		Architectural Coating - 2022	
		ES	Grading - 2022	4
			Off-Road Equipment	8.52E-01
			On-Road Trucks	1.13E-03
			Idling Trucks	5.76E-06

26	Days	WS	Building Construction - 2022	
	CONC		Architectural Coating - 2022	
		ES	Grading - 2022	58
			Off-Road Equipment	8.52E-01
			On-Road Trucks	2.13E-04
			Idling Trucks	3.41E-06
27	Days	WS	Building Construction - 2023	
	CONC		Architectural Coating - 2023	
		ES	Grading - 2023	8
			Off-Road Equipment	7.29E-01
			On-Road Trucks	8.28E-05
			Idling Trucks	2.25E-06
28	Days	WS	Building Construction - 2023	
	CONC		Architectural Coating - 2023	
		ES	Foundations/Concrete Pour (Shoring Wall) - 2023	
			Foundations/Concrete Pour (Cast In Drilled Hole Foundation) - 2023	16
			Off-Road Equipment	7.53E-01
			On-Road Trucks	1.37E-04
			Idling Trucks	2.43E-06
29	Days	WS	Building Construction - 2023	
	CONC		Architectural Coating - 2023	
		ES	Foundations/Concrete Pour (Cast In Drilled Hole Foundation) - 2023	14
			Off-Road Equipment	8.23E-01
			On-Road Trucks	9.18E-05
			Idling Trucks	2.28E-06
30	Days	WS	Building Construction - 2023	
	CONC		Architectural Coating - 2023	
		ES	Foundations/Concrete Pour (Mat Foundation)- 2023	1
			Off-Road Equipment	7.24E-01
			On-Road Trucks	3.17E-04
			Idling Trucks	3.00E-06
31	Days	WS	Building Construction - 2023	
	CONC		Architectural Coating - 2023	
		ES	Foundations/Concrete Pour (Column Footings) - 2023	4
			Off-Road Equipment	7.31E-01
			On-Road Trucks	1.78E-04
			Idling Trucks	2.56E-06
32	Days	WS	Building Construction - 2023	
	CONC		Architectural Coating - 2023	
		ES	Foundations - 2023	5
			Off-Road Equipment	7.31E-01
			On-Road Trucks	8.28E-05
			Idling Trucks	2.25E-06
33	Days	WS	Building Construction - 2023	
	CONC		Architectural Coating - 2023	
		ES	Building Construction - 2023 (Structure Equipment Garage)	34
			Off-Road Equipment	7.44E-01
			On-Road Trucks	3.81E-04
			Idling Trucks	3.70E-06
34	Days	WS	Building Construction - 2023	
	CONC		Architectural Coating - 2023	
		ES	Building Construction - 2023 (Structure Equipment Tower)	
			Off-Road Equipment	
			On-Road Trucks	
			Idling Trucks	
35	Days	WS	Building Construction - 2023	
	CONC		Architectural Coating - 2023	
			Paving - 2023	
		ES	Building Construction - 2023 (Structure Equipment Tower)	
			Off-Road Equipment	
			On-Road Trucks	
			Idling Trucks	
36	Days	WS	Building Construction - 2023	
	CONC		Architectural Coating - 2023	
			Paving - 2023	
		ES	Building Construction - 2023 (Structure Equipment Affordable)	
			Off-Road Equipment	
			On-Road Trucks	
			Idling Trucks	

37	Days	WS	Building Construction - 2023				
	CONC		Architectural Coating - 2023				
			Paving - 2023				
		ES	Building Construction - 2023 (Retail)				
			Off-Road Equipment				
			On-Road Trucks				
			Idling Trucks				
38	Days	WS	Building Construction - 2023				
	CONC		Architectural Coating - 2023				
			Paving - 2023				
		ES	Building Construction - 2023				
			Off-Road Equipment				
			On-Road Trucks				
			Idling Trucks				
39	Days	WS	Building Construction - 2023				
	CONC		Architectural Coating - 2023				
		ES	Building Construction - 2023				
			Off-Road Equipment				
			On-Road Trucks				
			Idling Trucks				
40	Days	WS	Building Construction - 2023				
	CONC		Architectural Coating - 2023				
		ES	Building Construction - 2023				
			Architectural Coating - 2023				
			Off-Road Equipment				
			On-Road Trucks				
			Idling Trucks				
41	Days	WS	Building Construction - 2024				
	CONC		Architectural Coating - 2024				
		ES	Building Construction - 2024				
			Architectural Coating - 2024				
			Off-Road Equipment				
			On-Road Trucks				
			Idling Trucks				
42	Days	WS	Building Construction - 2024				
	CONC	ES	Building Construction - 2024				
			Architectural Coating - 2024				
			Off-Road Equipment				
			On-Road Trucks				
			Idling Trucks				
43	Days	ES	Building Construction - 2024				
	CONC		Architectural Coating - 2024				
			Off-Road Equipment				
			On-Road Trucks				
			Idling Trucks				
44	Days	ES	Building Construction - 2024				
	CONC		Architectural Coating - 2024				
			Paving - 2024				
			Off-Road Equipment				
			On-Road Trucks				
			Idling Trucks				
45	Days	ES	Building Construction - 2024				
	CONC		Architectural Coating - 2024				
			Off-Road Equipment				
			On-Road Trucks				
			Idling Trucks				
46	Days	ES	Building Construction - 2025				
	CONC		Architectural Coating - 2025				
			Off-Road Equipment				
			On-Road Trucks				
			Idling Trucks				
47	Days	ES	Building Construction - 2025				
	CONC		Off-Road Equipment				
			On-Road Trucks				
			Idling Trucks				
						Start Date	End Date
						1/4/2021	4/6/2021
			Work Days in Emissions Group (6 work days/week)	80	626	4/7/2021	4/6/2023
			Average Annual Concentration in Emissions Group	1.03E+00	8.87E-01	4/7/2023	6/22/2025

Source: ESA 2020

Cancer Risk Calculations

Parameter		Emissions Group 1 (0.25 years)	Emissions Group 2 (2 years)	Total
DBR	Daily Breathing Rate (L/kg (body weight) per day)	581	581	
A	Inhalation absorption factor (default = 1).	1	1	
EF	Exposure Frequency (days/year)	245	245	
ED	Exposure Duration (years)	0.25	2	**2.25**
EFV	Exposure Factor Value (unitless)	1	1	
AT	Averaged Exposure Time Period (days)	25550	25550	
CONC	Toxic Air Contaminant Concentration (µg/m^3)	1.03E+00	8.87E-01	
DOSE	*[= CONC × DBR × A × EF × ED × FAH / AT]* (mg/kg-d)	1.44E+00	9.88E+00	
CPF	Cancer Potency Factor (mg/kg-d)$^{-1}$			
	Diesel Particulate Matter	1.1	1.1	
RISK	Cancer Risk (in one million) [= *DOSE × CPF × ASF]*	1.58E+00	1.09E+01	**12.45**

Notes: Risk levels assume maximum construction activity levels for every day of Project construction. Actual risks based on average daily activity levels may be lower. While AMDA is not a pre-school, elementary, middle, or high school, the AMDA admissions policy indicates they accept applications from juniors and seniors in high school. Given the location of the AMDA Vine Building in proximity to the West Site and East Site, the AMDA Vine Building is included as a sensitive receptor for the purposes of the air quality analysis for this Project.

Sources:

OEHHA, Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments, 2003.

SCAQMD, Risk Assessment Procedures for Rules 1401 and 212, Appendix L, Version 7.0, 2012.

ESA, 2020

Maximum Non-cancer Chronic Hazards / Toxicological Endpoints*

Receptor Group	Pollutant	CREL[1]	CONC	WFrac	$CONC_{WF}$	HI	ALIM	BN	CVS	DEV	ENDC	EYE	HEM	IMMUN	KIDN	NS	REPRO	RESP	SK	Threshold	Over?
MEI Sensitive - Resident Near West Site	DPM	5.00E+00	2.50E-01	1.00E+00	2.50E-01	**5.00E-02**	-	-	-	-	-	-	-	-	-	-	-	5.00E-02	-	1.0	NO
MEI Sensitive - Resident Near East Site	DPM	5.00E+00	6.43E-01	1.00E+00	6.43E-01	**1.29E-01**	-	-	-	-	-	-	-	-	-	-	-	1.29E-01	-	1.0	NO
MEI - School	DPM	5.00E+00	9.67E-01	1.00E+00	9.67E-01	**1.93E-01**	-	-	-	-	-	-	-	-	-	-	-	1.93E-01	-	1.0	NO

Sources:

1. California Air Resources Board, "Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values" and "OEHHA/ARB Approved Chronic Reference Exposure Levels and Target Organs," http://www.arb.ca.gov/toxics/healthval/healthval.htm.
   Tables last updated: May 8, 2018. Downloaded June 1, 2018.

Where:

$CONC_{WF}$	Pollutant Concentration ($\mu g/m^3$) multiplied by the weight fraction
CREL	Chronic Reference Exposure Level
HI	Hazard Index
MEI	Maximally Exposed Individual
WFrac	Weight fraction of speciated component

* Key to Toxicological Endpoints

ALIM	Alimentary Tract	EYE	Eye	NS	Nervous System
BN	Bone	HEM	Hematologic System	REPRO	Reproductive System
CVS	Cardiovascular System	IMMUN	Immune System	RESP	Respiratory System
DEV	Developmental System	KIDN	Kidney	SK	Skin
ENDC	Endocrine System				

Hollywood Center
Draft Environmental Impact Report
Construction Health Risk Assessment - MITIGATED

Off-Road Heavy-Duty Constuction Equipment Emission Rates

Construction Activity	Equipment Type	Start Date	End Date	Work Days by Activity (days)	Work Hours per Day (hours/day)	Daily DPM Emissions [a] (pounds/day)	Emissions Rate during Work Period (grams/second)
West Site							
Demolition - 2021	Off-Road Heavy-Duty	1/4/2021	3/1/2021	49	8	0.07	
Utilities/Trenching - 2021	Off-Road Heavy-Duty	1/14/2021	2/3/2021	18	8	0.0187	
Site Preparation - 2021	Off-Road Heavy-Duty	2/1/2021	2/28/2021	24	8	0.0188	
Grading - 2021	Off-Road Heavy-Duty	2/11/2021	12/31/2021	278	8	0.1298	
Grading - 2022	Off-Road Heavy-Duty	1/1/2022	1/2/2022	1	8	0.1296	
Foundations/Concrete Pour - 2022 (Shoring Wall)	Off-Road Heavy-Duty	1/3/2022	1/24/2022	19	8	0.0564	
Foundations/Concrete Pour - 2022 (Cast in Drilled Hole Foundation)	Off-Road Heavy-Duty	1/3/2022	2/18/2022	41	8	0.0564	
Foundations/Concrete Pour - 2022 (Mat Foundation)	Off-Road Heavy-Duty	2/19/2022	2/20/2022	1	14	0.0307	
Foundations/Concrete Pour - 2022 (Column Footings)	Off-Road Heavy-Duty	2/21/2022	2/24/2022	4	8	0.0564	
Foundations - 2022	Off-Road Heavy-Duty	2/25/2022	2/28/2022	3	8	0.0564	
Building Construction - 2022 (Structure Equipment Garage)	Off-Road Heavy-Duty	3/1/2022	4/29/2022	52	8	0.0807	
Building Construction - 2022 (Structure Equipment Tower)	Off-Road Heavy-Duty	4/30/2022	6/17/2022	42	8	0.0807	
Building Construction - 2022 (Structure Equipment Affordable)	Off-Road Heavy-Duty	6/18/2022	7/13/2022	22	8	0.0807	
Building Construction - 2022 (Retail)	Off-Road Heavy-Duty	7/14/2022	7/15/2022	2	8	0.0807	
Building Construction - 2022	Off-Road Heavy-Duty	7/16/2022	12/31/2022	145	8	0.0807	
Building Construction - 2023	Off-Road Heavy-Duty	1/1/2023	12/31/2023	312	8	0.0807	
Building Construction - 2024	Off-Road Heavy-Duty	1/1/2024	3/14/2024	64	8	0.0805	
Architectural Coating - 2022	Off-Road Heavy-Duty	10/22/2022	12/31/2022	61	8	0.0252	
Architectural Coating - 2023	Off-Road Heavy-Duty	1/1/2023	12/31/2023	312	8	0.0252	
Architectural Coating - 2024	Off-Road Heavy-Duty	1/1/2024	1/31/2024	27	8	0.0251	
Paving - 2023	Off-Road Heavy-Duty	7/6/2023	10/2/2023	76	8	0.0609	
East Site							
Site Preparation - 2022	Off-Road Heavy-Duty	3/1/2022	3/31/2022	27	8	0.0188	
Utilities/Trenching - 2022	Off-Road Heavy-Duty	3/15/2022	3/26/2022	11	8	0.1296	
Grading - 2022	Off-Road Heavy-Duty	3/15/2022	12/31/2022	251	8	0.1296	
Grading - 2023	Off-Road Heavy-Duty	1/1/2023	1/10/2023	8	8	0.0187	
Foundations/Concrete Pour (Shoring Wall) - 2023	Off-Road Heavy-Duty	1/11/2023	1/29/2023	16	8	0.0390	
Foundations/Concrete Pour (Cast In Drilled Hole Foundation) - 2023	Off-Road Heavy-Duty	1/11/2023	2/14/2023	30	8	0.0390	
Foundations/Concrete Pour (Mat Foundation)- 2023	Off-Road Heavy-Duty	2/15/2023	2/15/2023	1	11	0.0241	
Foundations/Concrete Pour (Column Footings) - 2023	Off-Road Heavy-Duty	2/16/2023	2/20/2023	4	8	0.0390	
Foundations - 2023	Off-Road Heavy-Duty	2/21/2023	2/26/2023	5	8	0.0390	
Building Construction - 2023 (Structure Equipment Garage)	Off-Road Heavy-Duty	2/27/2023	5/4/2023	58	8	0.0807	
Building Construction - 2023 (Structure Equipment Tower)	Off-Road Heavy-Duty	5/5/2023	8/8/2023	82	8	0.0807	
Building Construction - 2023 (Structure Equipment Affordable)	Off-Road Heavy-Duty	8/9/2023	8/29/2023	18	8	0.0807	
Building Construction - 2023 (Retail)	Off-Road Heavy-Duty	8/30/2023	9/1/2023	3	8	0.0807	
Building Construction - 2023	Off-Road Heavy-Duty	9/2/2023	12/31/2023	103	8	0.0807	
Building Construction - 2024	Off-Road Heavy-Duty	1/1/2024	12/31/2024	314	8	0.0805	
Building Construction - 2025	Off-Road Heavy-Duty	1/1/2025	6/22/2025	148	8	0.0805	
Architectural Coating - 2023	Off-Road Heavy-Duty	10/14/2023	12/31/2023	67	8	0.0252	
Architectural Coating - 2024	Off-Road Heavy-Duty	1/1/2024	12/31/2024	314	8	0.0251	
Architectural Coating - 2025	Off-Road Heavy-Duty	1/1/2025	1/23/2025	20	8	0.0251	
Paving - 2024	Off-Road Heavy-Duty	7/12/2024	10/10/2024	78	8	0.0629	

Site Schedule Overlap

									Row Number		Emissions Rate During Work Period (grams/sec) weighted contribution over a year		
			4/6/2021	4/6/2023	730								
WS	Demolition - 2021	Off-Road Heavy-Duty	1/4/2021	1/5/2021	2	8	0.0670	1.06E-03	57	1	6.74E-06 Due to heavy duty trucks difference		
											Year 1		1-9
WS	Demolition - 2021	Off-Road Heavy-Duty	1/6/2021	1/13/2021	7	8	0.0670	1.06E-03	59	2	2.36E-05	0.0016	WS
WS	Demolition - 2021	Off-Road Heavy-Duty	1/14/2021	1/31/2021	15	8	0.0670	1.06E-03		3	5.06E-05		
	Utilities/Trenching - 2021	Off-Road Heavy-Duty	1/14/2021	1/31/2021	15	8	0.0187	2.95E-04			1.41E-05		
								1.35E-03	63				
WS	Demolition - 2021	Off-Road Heavy-Duty	2/1/2021	2/3/2021	3	8	0.0670	1.06E-03		4	1.01E-05		
	Utilities/Trenching - 2021	Off-Road Heavy-Duty	2/1/2021	2/3/2021	3	8	0.0187	2.95E-04			2.82E-06		
	Site Preparation - 2021	Off-Road Heavy-Duty	2/1/2021	2/3/2021	3	8	0.0188	2.96E-04			2.84E-06		
								1.65E-03	68				
WS	Demolition - 2021	Off-Road Heavy-Duty	2/4/2021	2/10/2021	6	8	0.0670	1.06E-03		5	2.02E-05		
	Site Preparation - 2021	Off-Road Heavy-Duty	2/4/2021	2/10/2021	6	8	0.0188	2.96E-04			5.68E-06		
								1.35E-03	72				
WS	Demolition - 2021	Off-Road Heavy-Duty	2/11/2021	2/28/2021	15	8	0.0670	1.06E-03		6	5.06E-05		
	Site Preparation - 2021	Off-Road Heavy-Duty	2/11/2021	2/28/2021	15	8	0.0188	2.96E-04			1.42E-05		
	Grading - 2021	Off-Road Heavy-Duty	2/11/2021	2/28/2021	15	8	0.1298	2.04E-03			9.80E-05		
								3.40E-03	77				
WS	Demolition - 2021	Off-Road Heavy-Duty	3/1/2021	3/1/2021	1	8	0.0670	1.06E-03		7	3.37E-06		
	Grading - 2021	Off-Road Heavy-Duty	3/1/2021	3/1/2021	1	8	0.1298	2.04E-03			6.53E-06		
								3.10E-03	81				
WS	Grading - 2021	Off-Road Heavy-Duty	3/1/2021	10/11/2021	193	8	0.1298	2.04E-03	83	8	1.26E-03		
WS	Grading - 2021	Off-Road Heavy-Duty	10/12/2021	12/31/2021	70	8	0.1298	2.04E-03	85	9	4.57E-04		
WS	Grading - 2022	Off-Road Heavy-Duty	1/1/2022	1/2/2022	1	8	0.1296	2.04E-03	87	10	6.52E-06	Year 2	10-26
												0.0031	Total
WS	Foundations/Concrete Pour - 2022 (Shoring Wall)	Off-Road Heavy-Duty	1/3/2022	1/24/2022	19	8	0.0564	8.88E-04		11	5.39E-05		
	Foundations/Concrete Pour - 2022 (Cast in Drilled Hole Foundation)	Off-Road Heavy-Duty	1/3/2022	1/24/2022	19	8	0.0564	8.88E-04			5.39E-05		
								1.78E-03	91			0.0013	WS
WS	Foundations/Concrete Pour - 2022 (Cast in Drilled Hole Foundation)	Off-Road Heavy-Duty	1/25/2022	2/18/2022	22	8	0.0564	8.88E-04	93	12	6.24E-05		
												0.0017	ES
WS	Foundations/Concrete Pour - 2022 (Mat Foundation)	Off-Road Heavy-Duty	2/19/2022	2/20/2022	1	14	0.0307	2.76E-04	95	13	8.83E-07		
WS	Foundations/Concrete Pour - 2022 (Column Footings)	Off-Road Heavy-Duty	2/21/2022	2/24/2022	4	8	0.0564	8.88E-04	97	14	1.14E-05		
WS	Foundations - 2022	Off-Road Heavy-Duty	2/25/2022	2/28/2022	3	8	0.0564	8.88E-04	99	15	8.51E-06		
WS	Building Construction - 2022 (Structure Equipment Garage)	Off-Road Heavy-Duty	3/1/2022	3/2/2022	2	8	0.0807	1.27E-03	101	16	8.12E-06 Due to heavy duty trucks difference		
ES	Site Preparation - 2022	Off-Road Heavy-Duty	3/1/2022	3/2/2022	2	8	0.0188	2.96E-04	103		1.89E-06		
								1.57E-03					
WS	Building Construction - 2022 (Structure Equipment Garage)	Off-Road Heavy-Duty	3/3/2022	3/14/2022	10	8	0.0807	1.27E-03	106	17	4.06E-05		
ES	Site Preparation - 2022	Off-Road Heavy-Duty	3/3/2022	3/14/2022	10	8	0.0188	2.96E-04	108		9.46E-06		
WS	Building Construction - 2022 (Structure Equipment Garage)	Off-Road Heavy-Duty	3/15/2022	3/26/2022	11	8	0.0807	1.27E-03	111	18	4.47E-05		
ES	Site Preparation - 2022	Off-Road Heavy-Duty	3/15/2022	3/26/2022	11	8	0.0188	2.96E-04			1.04E-05		
	Utilities/Trenching - 2022	Off-Road Heavy-Duty	3/15/2022	3/26/2022	11	8	0.1296	2.04E-03			7.17E-05		
	Grading - 2022	Off-Road Heavy-Duty	3/15/2022	3/26/2022	11	8	0.1296	2.04E-03			7.17E-05		
								4.38E-03	116				
WS	Building Construction - 2022 (Structure Equipment Garage)	Off-Road Heavy-Duty	3/27/2022	3/31/2022	4	8	0.0807	1.27E-03	118	19	1.62E-05		
ES	Site Preparation - 2022	Off-Road Heavy-Duty	3/27/2022	3/31/2022	4	8	0.0188	2.96E-04			3.78E-06		
	Grading - 2022	Off-Road Heavy-Duty	3/27/2022	3/31/2022	4	8	0.1296	2.04E-03			2.61E-05		
								2.34E-03	122				
WS	Building Construction - 2022 (Structure Equipment Garage)	Off-Road Heavy-Duty	4/1/2022	4/29/2022	25	8	0.0807	1.27E-03	124	20	1.02E-04		

ES	Grading - 2022	Off-Road Heavy-Duty	4/1/2022	4/29/2022	25	8	0.1296	2.04E-03	126		1.63E-04
WS	Building Construction - 2022 (Structure Equipment Tower)	Off-Road Heavy-Duty	4/30/2022	6/17/2022	42	8	0.0807	1.27E-03	129	21	1.71E-04
ES	Grading - 2022	Off-Road Heavy-Duty	4/30/2022	6/17/2022	42	8	0.1296	2.04E-03	131		2.74E-04
WS	Building Construction - 2022 (Structure Equipment Affordable)	Off-Road Heavy-Duty	6/18/2022	7/13/2022	22	8	0.0807	1.27E-03	134	22	8.93E-05
ES	Grading - 2022	Off-Road Heavy-Duty	6/18/2022	7/13/2022	22	8	0.1296	2.04E-03	136		1.43E-04
WS	Building Construction - 2022 (Retail)	Off-Road Heavy-Duty	7/14/2022	7/15/2022	2	8	0.0807	1.27E-03	139	23	8.12E-06
ES	Grading - 2022	Off-Road Heavy-Duty	7/14/2022	7/15/2022	2	8	0.1296	2.04E-03	141		1.30E-05
WS	Building Construction - 2022	Off-Road Heavy-Duty	7/16/2022	10/21/2022	84	8	0.0807	1.27E-03	144	24	3.41E-04
ES	Grading - 2022	Off-Road Heavy-Duty	7/16/2022	10/21/2022	84	8	0.1296	2.04E-03	145		5.48E-04
WS	Building Construction - 2022	Off-Road Heavy-Duty	10/22/2022	10/26/2022	4	8	0.0807	1.27E-03		25	1.62E-05
	Architectural Coating - 2022	Off-Road Heavy-Duty	10/22/2022	10/26/2022	4	8	0.0252	3.97E-04			5.07E-06
								1.67E-03	150		
ES	Grading - 2022	Off-Road Heavy-Duty	10/22/2022	10/26/2022	4	8	0.1296	2.04E-03	151		2.61E-05
WS	Building Construction - 2022	Off-Road Heavy-Duty	10/26/2022	12/31/2022	58	8	0.0807	1.27E-03		26	2.36E-04
	Architectural Coating - 2022	Off-Road Heavy-Duty	10/26/2022	12/31/2022	58	8	0.0252	3.97E-04			7.35E-05
								1.67E-03	156		
ES	Grading - 2022	Off-Road Heavy-Duty	10/26/2022	12/31/2022	58	8	0.1296	2.04E-03	157		3.78E-04
WS	Building Construction - 2023	Off-Road Heavy-Duty	1/1/2023	1/10/2023	8	8	0.0807	1.27E-03		27	0.00E+00
	Architectural Coating - 2023	Off-Road Heavy-Duty	1/1/2023	1/10/2023	8	8	0.0252	3.97E-04			1.01E-05
								1.67E-03	162		
ES	Grading - 2023	Off-Road Heavy-Duty	1/1/2023	1/10/2023	8	8	0.0187	2.95E-04	163		7.53E-06
WS	Building Construction - 2023	Off-Road Heavy-Duty	1/11/2023	1/29/2023	16	8	0.0807	1.27E-03		28	6.50E-05
	Architectural Coating - 2023	Off-Road Heavy-Duty	1/11/2023	1/29/2023	16	8	0.0252	3.97E-04			2.03E-05
								1.67E-03	168		
ES	Foundations/Concrete Pour (Shoring Wall) - 2023	Off-Road Heavy-Duty	1/11/2023	1/29/2023	16	8	0.0390	6.14E-04			3.14E-05
	Foundations/Concrete Pour (Cast In Drilled Hole Foundation) - 2023	Off-Road Heavy-Duty	1/11/2023	1/29/2023	16	8	0.0390	6.14E-04			3.14E-05
								1.23E-03	171		
WS	Building Construction - 2023	Off-Road Heavy-Duty	1/30/2023	2/14/2023	14	8	0.0807	1.27E-03		29	5.69E-05
	Architectural Coating - 2023	Off-Road Heavy-Duty	1/30/2023	2/14/2023	14	8	0.0252	3.97E-04			1.78E-05
								1.67E-03	175		
ES	Foundations/Concrete Pour (Cast In Drilled Hole Foundation) - 2023	Off-Road Heavy-Duty	1/30/2023	2/14/2023	14	8	0.0390	6.14E-04			2.75E-05
								3.95E-03	177		
WS	Building Construction - 2023	Off-Road Heavy-Duty	2/15/2023	2/15/2023	1	8	0.0807	1.27E-03		30	4.06E-06
	Architectural Coating - 2023	Off-Road Heavy-Duty	2/15/2023	2/15/2023	1	8	0.0252	3.97E-04			1.27E-06
								1.67E-03	181		
ES	Foundations/Concrete Pour (Mat Foundation)- 2023	Off-Road Heavy-Duty	2/15/2023	2/15/2023	1	11	0.0241	2.76E-04	182		8.82E-07
WS	Building Construction - 2023	Off-Road Heavy-Duty	2/16/2023	2/20/2023	4	8	0.0807	1.27E-03		31	1.62E-05
	Architectural Coating - 2023	Off-Road Heavy-Duty	2/16/2023	2/20/2023	4	8	0.0252	3.97E-04			5.07E-06
								1.67E-03	187		
ES	Foundations/Concrete Pour (Column Footings) - 2023	Off-Road Heavy-Duty	2/16/2023	2/20/2023	4	8	0.0390	6.14E-04	188		7.85E-06
WS	Building Construction - 2023	Off-Road Heavy-Duty	2/21/2023	2/26/2023	5	8	0.0807	1.27E-03		32	2.03E-05
	Architectural Coating - 2023	Off-Road Heavy-Duty	2/21/2023	2/26/2023	5	8	0.0252	3.97E-04			6.34E-06
								1.67E-03	193		
ES	Foundations - 2023	Off-Road Heavy-Duty	2/21/2023	2/26/2023	5	8	0.0390	6.14E-04	194		9.81E-06
WS	Building Construction - 2023	Off-Road Heavy-Duty	2/27/2023	5/4/2023	58	8	0.0807	1.27E-03		33	2.36E-04
	Architectural Coating - 2023	Off-Road Heavy-Duty	2/27/2023	5/4/2023	58	8	0.0252	3.97E-04			7.35E-05
								1.67E-03	199		
ES	Building Construction - 2023 (Structure Equipment Garage)	Off-Road Heavy-Duty	2/27/2023	5/4/2023	58	8	0.0807	1.27E-03	200		2.36E-04
WS	Building Construction - 2023	Off-Road Heavy-Duty	5/5/2023	7/5/2023	53	8	0.0807	1.27E-03		34	2.15E-04
	Architectural Coating - 2023	Off-Road Heavy-Duty	5/5/2023	7/5/2023	53	8	0.0252	3.97E-04			6.72E-05
								1.67E-03	205		
ES	Building Construction - 2023 (Structure Equipment Tower)	Off-Road Heavy-Duty	5/5/2023	7/5/2023	53	8	0.0807	1.27E-03	206		2.15E-04
WS	Building Construction - 2023	Off-Road Heavy-Duty	7/6/2023	8/8/2023	29	8	0.0807	1.27E-03		35	1.18E-04
	Architectural Coating - 2023	Off-Road Heavy-Duty	7/6/2023	8/8/2023	29	8	0.0252	3.97E-04			3.68E-05
	Paving - 2023	Off-Road Heavy-Duty	7/6/2023	8/8/2023	29	8	0.0609	9.59E-04			8.89E-05
								2.63E-03	212		
ES	Building Construction - 2023 (Structure Equipment Tower)	Off-Road Heavy-Duty	7/6/2023	8/8/2023	29	8	0.0807	1.27E-03	213		1.18E-04
WS	Building Construction - 2023	Off-Road Heavy-Duty	8/9/2023	8/29/2023	18	8	0.0807	1.27E-03		36	7.31E-05
	Architectural Coating - 2023	Off-Road Heavy-Duty	8/9/2023	8/29/2023	18	8	0.0252	3.97E-04			2.28E-05
	Paving - 2023	Off-Road Heavy-Duty	8/9/2023	8/29/2023	18	8	0.0609	9.59E-04			5.52E-05
								2.63E-03	219		
ES	Building Construction - 2023 (Structure Equipment Affordable)	Off-Road Heavy-Duty	8/9/2023	8/29/2023	18	8	0.0807	1.27E-03	220		7.31E-05
WS	Building Construction - 2023	Off-Road Heavy-Duty	8/30/2023	9/1/2023	3	8	0.0807	1.27E-03		37	1.22E-05
	Architectural Coating - 2023	Off-Road Heavy-Duty	8/30/2023	9/1/2023	3	8	0.0252	3.97E-04			3.80E-06
	Paving - 2023	Off-Road Heavy-Duty	8/30/2023	9/1/2023	3	8	0.0609	9.59E-04			9.19E-06
								2.63E-03	226		
ES	Building Construction - 2023 (Retail)	Off-Road Heavy-Duty	8/30/2023	9/1/2023	3	8	0.0807	1.27E-03	227		1.22E-05

Year 3		27-40
	0.0031	Total
	0.0019	WS
	0.0013	ES

WS	Building Construction - 2023	Off-Road Heavy-Duty	9/2/2023	10/2/2023	26	8	0.0807	1.27E-03		38	1.06E-04							
	Architectural Coating - 2023	Off-Road Heavy-Duty	9/2/2023	10/2/2023	26	8	0.0252	3.97E-04			3.30E-05							
	Paving - 2023	Off-Road Heavy-Duty	9/2/2023	10/2/2023	26	8	0.0609	9.59E-04			7.97E-05							
								2.63E-03	233									
ES	Building Construction - 2023	Off-Road Heavy-Duty	9/2/2023	10/2/2023	26	8	0.0807	1.27E-03	234		1.06E-04							
WS	Building Construction - 2023	Off-Road Heavy-Duty	10/3/2023	10/13/2023	10	8	0.0807	1.27E-03		39	4.06E-05							
	Architectural Coating - 2023	Off-Road Heavy-Duty	10/3/2023	10/13/2023	10	8	0.0252	3.97E-04			1.27E-05							
								1.67E-03	239									
ES	Building Construction - 2023	Off-Road Heavy-Duty	10/3/2023	10/13/2023	10	8	0.0807	1.27E-03	240		4.06E-05							
WS	Building Construction - 2023	Off-Road Heavy-Duty	10/14/2023	12/31/2023	67	8	0.0807	1.27E-03		40	2.72E-04							
	Architectural Coating - 2023	Off-Road Heavy-Duty	10/14/2023	12/31/2023	67	8	0.0252	3.97E-04			8.50E-05							
								1.67E-03	245									
ES	Building Construction - 2023	Off-Road Heavy-Duty	10/14/2023	12/31/2023	67	8	0.0807	1.27E-03			2.72E-04							
	Architectural Coating - 2023	Off-Road Heavy-Duty	10/14/2023	12/31/2023	67	8	0.0252	3.97E-04			8.50E-05							
								1.67E-03	248									
												Year 4		41-45				
WS	Building Construction - 2024	Off-Road Heavy-Duty	1/1/2024	1/31/2024	27	8	0.0805	1.27E-03		41	1.09E-04		0.0022	Total				
	Architectural Coating - 2024	Off-Road Heavy-Duty	1/1/2024	1/31/2024	27	8	0.0251	3.95E-04			3.41E-05							
								1.66E-03	252									
ES	Building Construction - 2024	Off-Road Heavy-Duty	1/1/2024	1/31/2024	27	8	0.0805	1.27E-03			1.09E-04		0.0003	WS				
	Architectural Coating - 2024	Off-Road Heavy-Duty	1/1/2024	1/31/2024	27	8	0.0251	3.95E-04			3.41E-05							
								1.66E-03	255									
													0.0019	ES				
WS	Building Construction - 2024	Off-Road Heavy-Duty	2/1/2024	3/14/2024	37	8	0.0805	1.27E-03	257	42	1.50E-04							
ES	Building Construction - 2024	Off-Road Heavy-Duty	2/1/2024	3/14/2024	37	8	0.0805	1.27E-03			1.50E-04							
	Architectural Coating - 2024	Off-Road Heavy-Duty	2/1/2024	3/14/2024	37	8	0.0251	3.95E-04			4.67E-05							
								1.66E-03	261									
ES	Building Construction - 2024	Off-Road Heavy-Duty	3/15/2024	7/11/2024	102	8	0.0805	1.27E-03		43	4.13E-04							
	Architectural Coating - 2024	Off-Road Heavy-Duty	3/15/2024	7/11/2024	102	8	0.0251	3.95E-04			1.29E-04							
								1.66E-03	264									
ES	Building Construction - 2024	Off-Road Heavy-Duty	7/12/2024	10/10/2024	78	8	0.0805	1.27E-03		44	3.16E-04							
	Architectural Coating - 2024	Off-Road Heavy-Duty	7/12/2024	10/10/2024	78	8	0.0251	3.95E-04			9.85E-05							
	Paving - 2024	Off-Road Heavy-Duty	7/12/2024	10/10/2024	78	8	0.0629	9.91E-04			2.47E-04							
								1.39E-03	269									
ES	Building Construction - 2024	Off-Road Heavy-Duty	10/11/2024	12/31/2024	70	8	0.0805	1.27E-03		45	2.84E-04							
	Architectural Coating - 2024	Off-Road Heavy-Duty	10/11/2024	12/31/2024	70	8	0.0251	3.95E-04			8.84E-05							
								1.66E-03	273									
												Year 5		46-47				
ES	Building Construction - 2025	Off-Road Heavy-Duty	1/1/2025	1/23/2025	20	8	0.0805	1.27E-03		46	8.10E-05		0.0006	ES				
	Architectural Coating - 2025	Off-Road Heavy-Duty	1/1/2025	1/23/2025	20	8	0.0251	3.95E-04			2.53E-05							
								1.66E-03	277									
ES	Building Construction - 2025	Off-Road Heavy-Duty	1/24/2025	6/22/2025	128	8	0.0805	1.27E-03	279	47	5.18E-04							
			Maximum 12-Month Emissions (for Chronic HI analysis)															
			Year 3	*West Site*	*313*			*0.0019*										
			Year 3	*East Site*	*313*			*0.0013*										
			Year 4	*West Site*	*313*			*0.0003*										
			Year 4	*East Site*	*313*			*0.0019*										

Notes:

a. California Air Resources Board, California Emissions Estimator Model (CalEEMod). Exhaust PM10 emissions from off-road construction equipment including off-highway trucks.

Source: ESA 2020

Travel On-Road Construction Haul, Concrete, and Vendor Truck Emission Rates

Construction Activity	Equipment Type			Work Days per Year (days/year)	Work Hours per Day (hours/day)	Construction Activity Year	Total One-Way Truck Trips	One-Way Trip Distance per Day [a] (miles)	DPM Running Emissions Factor [b] (grams/mile)	Emissions Rate during Work Period (grams/second)	Row Number
WS Demolition - 2021	On-Road T7 HHDT Trucks	1/4/2021	1/5/2021	2	8	**2021**	**132**	**0.578**	**0.088**	1.16E-04	**305**
WS Demolition - 2021	On-Road T7 HHDT Trucks	1/5/2021	1/13/2021	8	8	**2021**		**0.578**	**0.088**		
WS Demolition - 2021	On-Road T7 HHDT Trucks	1/14/2021	1/31/2021	15	8	**2021**		**0.578**	**0.088**		
Utilities/Trenching - 2021	On-Road T7 HHDT Trucks	1/14/2021	1/31/2021	15	8	**2021**		**0.578**	**0.088**		
WS Demolition - 2021	On-Road T7 HHDT Trucks	2/1/2021	2/3/2021	3	8	**2021**		**0.578**	**0.088**		
Utilities/Trenching - 2021	On-Road T7 HHDT Trucks	2/1/2021	2/3/2021	3	8	**2021**		**0.578**	**0.088**		
Site Preparation - 2021	On-Road T7 HHDT Trucks	2/1/2021	2/3/2021	3	8	**2021**		**0.578**	**0.088**		
WS Demolition - 2021	On-Road T7 HHDT Trucks	2/4/2021	2/10/2021	6	8	**2021**		**0.578**	**0.088**		
Site Preparation - 2021	On-Road T7 HHDT Trucks	2/4/2021	2/10/2021	6	8	**2021**		**0.578**	**0.088**		
WS Demolition - 2021	On-Road T7 HHDT Trucks	2/11/2021	2/28/2021	15	8	**2021**		**0.578**	**0.088**		
Site Preparation - 2021	On-Road T7 HHDT Trucks	2/11/2021	2/28/2021	15	8	**2021**		**0.578**	**0.088**		
Grading - 2021	On-Road T7 HHDT Trucks	2/11/2021	2/28/2021	15	8	**2021**	**2,880**	**0.578**	**0.088**	3.38E-04	**322**
WS Demolition - 2021	On-Road T7 HHDT Trucks	3/1/2021	3/1/2021	1	8	**2021**		**0.578**	**0.088**		
Grading - 2021	On-Road T7 HHDT Trucks	3/1/2021	3/1/2021	1	8	**2021**	**192**	**0.578**	**0.088**	3.38E-04	**325**
WS Grading - 2021	On-Road T7 HHDT Trucks	3/1/2021	10/11/2021	193	8	**2021**	**37,056**	**0.578**	**0.088**	3.38E-04	**327**
WS Grading - 2021	On-Road T7 HHDT Trucks	10/12/2021	12/31/2021	70	8	**2021**		**0.578**	**0.088**		
WS Grading - 2022	On-Road T7 HHDT Trucks	1/1/2022	1/2/2022	1	8	**2022**		**0.578**	**0.031**		
WS Foundations/Concrete Pour - 2022 (Shoring Wall)	On-Road T7 HHDT Trucks	1/3/2022	1/24/2022	19	8	**2022**	**380**	**0.578**	**0.031**	1.25E-05	
Foundations/Concrete Pour - 2022 (Cast in Drilled Hole Foundation)	On-Road T7 HHDT Trucks	1/3/2022	1/24/2022	19	8	**2022**	**76**	**0.578**	**0.031**	2.51E-06	
										1.51E-05	**335**
WS Foundations/Concrete Pour - 2022 (Cast in Drilled Hole Foundation)	On-Road T7 HHDT Trucks	1/25/2022	2/18/2022	22	8	**2022**	**88**	**0.578**	**0.031**	2.51E-06	**337**
WS Foundations/Concrete Pour - 2022 (Mat Foundation)	On-Road T7 HHDT Trucks	2/19/2022	2/20/2022	1	14	**2022**	**188**	**0.578**	**0.031**	6.74E-05	**339**
WS Foundations/Concrete Pour - 2022 (Column Footings)	On-Road T7 HHDT Trucks	2/21/2022	2/24/2022	4	8	**2022**	**168**	**0.578**	**0.031**	2.64E-05	**341**
WS Foundations - 2022	On-Road T7 HHDT Trucks	2/25/2022	2/28/2022	3	8	**2022**		**0.578**	**0.031**		

	Region	CalYr	VehClass	MdlYr	Speed	Fuel	PM10_RUNEX	PM10_IDLEX
	Los Angeles	2021	T7 single o	Aggregate	Aggregate	Diesel	0.087781949	0.001294178
	Los Angeles	2022	T7 single o	Aggregate	Aggregate	Diesel	0.031242199	0.000526975
	Los Angeles	2023	T7 single o	Aggregate	Aggregate	Diesel	0.014831532	0.000309727
	Los Angeles	2024	T7 single o	Aggregate	Aggregate	Diesel	0.014524822	0.000303571
	Region	CalYr	VehClass	MdlYr	Speed	Fuel	PM10_RUNEX	PM10_IDLEX
48,404	Los Angeles	2021	MHDT,HHD	Aggregate	Aggregate	Diesel	0.061641829	0.002344903
	Los Angeles	2022	MHDT,HHD	Aggregate	Aggregate	Diesel	0.033136854	0.001064501
	Los Angeles	2023	MHDT,HHD	Aggregate	Aggregate	Diesel	0.012899292	0.000703772
	Los Angeles	2024	MHDT,HHD	Aggregate	Aggregate	Diesel	0.012969616	0.000669763
	Los Angeles	2025	MHDT,HHD	Aggregate	Aggregate	Diesel	0.013028719	0.000640618
40,128								
164								

WS	**Building Construction - 2022 (Structure Equipment Garage)**	On-Road T7 HHDT Trucks	3/1/2022	3/2/2022	2	8	**2022**	**168**	**0.578**	**0.031**	5.27E-05			4,368
	Building Construction - 2022 (Structure Equipment Garage)	MHDT,HHDT	3/1/2022	3/2/2022	2	8	**2022**	**100**	**0.578**	**0.033**	3.33E-05			
											8.60E-05	**347**		
ES	**Site Preparation - 2022**	On-Road T7 HHDT Trucks	3/1/2022	3/2/2022	2	8	**2022**	**104**	**0.578**	**0.031**	3.26E-05	**348**		47,314
WS	**Building Construction - 2022 (Structure Equipment Garage)**	On-Road T7 HHDT Trucks	3/3/2022	3/14/2022	10	8	**2022**	**840**	**0.578**	**0.031**	5.27E-05			
	Building Construction - 2022 (Structure Equipment Garage)	MHDT,HHDT	3/3/2022	3/14/2022	10	8	**2022**	**500**	**0.578**	**0.033**	3.33E-05			
											8.60E-05	**353**		
ES	**Site Preparation - 2022**	On-Road T7 HHDT Trucks	3/3/2022	3/14/2022	10	8	**2022**		**0.578**	**0.031**				
WS	**Building Construction - 2022 (Structure Equipment Garage)**	On-Road T7 HHDT Trucks	3/15/2022	3/26/2022	11	8	**2022**	**924**	**0.578**	**0.031**	5.27E-05			
	Building Construction - 2022 (Structure Equipment Garage)	MHDT,HHDT	3/15/2022	3/26/2022	11	8	**2022**	**550**	**0.578**	**0.033**	3.33E-05			
											8.60E-05	**359**		
ES	**Site Preparation - 2022**	On-Road T7 HHDT Trucks	3/15/2022	3/26/2022	11	8	**2022**		**0.578**	**0.031**				
	Utilities/Trenching - 2022	On-Road T7 HHDT Trucks	3/15/2022	3/26/2022	11	8	**2022**		**0.578**	**0.031**				
	Grading - 2022	On-Road T7 HHDT Trucks	3/15/2022	3/26/2022	11	8	**2022**	**2112**	**0.578**	**0.031**	1.20E-04	**362**		37,248
WS	**Building Construction - 2022 (Structure Equipment Garage)**	On-Road T7 HHDT Trucks	3/27/2022	3/31/2022	4	8	**2022**	**336**	**0.578**	**0.031**	5.27E-05			
	Building Construction - 2022 (Structure Equipment Garage)	MHDT,HHDT	3/27/2022	3/31/2022	4	8	**2022**	**200**	**0.578**	**0.033**	3.33E-05			
											8.60E-05	**367**		
ES	**Site Preparation - 2022**	On-Road T7 HHDT Trucks	3/27/2022	3/31/2022	4	8	**2022**		**0.578**	**0.031**				
	Grading - 2022	On-Road T7 HHDT Trucks	3/27/2022	3/31/2022	4	8	**2022**	**768**	**0.578**	**0.031**	1.20E-04	**369**		
WS	**Building Construction - 2022 (Structure Equipment Garage)**	On-Road T7 HHDT Trucks	4/1/2022	4/29/2022	25	8	**2022**	**2,100**	**0.578**	**0.031**	5.27E-05			
	Building Construction - 2022 (Structure Equipment Garage)	MHDT,HHDT	4/1/2022	4/29/2022	25	8	**2022**	**1250**	**0.578**	**0.033**	3.33E-05			
											8.60E-05	**374**		
ES	**Grading - 2022**	On-Road T7 HHDT Trucks	4/1/2022	4/29/2022	25	8	**2022**	**4,800**	**0.578**	**0.031**	1.20E-04	**375**		
WS	**Building Construction - 2022 (Structure Equipment Tower)**	On-Road T7 HHDT Trucks	4/30/2022	6/17/2022	42	8	**2022**	**1,764**	**0.578**	**0.031**	2.64E-05			
	Building Construction - 2022 (Structure Equipment Tower)	MHDT,HHDT	4/30/2022	6/17/2022	42	8	**2022**	**2100**	**0.578**	**0.033**	3.33E-05			
											5.96E-05	**380**		
ES	**Grading - 2022**	On-Road T7 HHDT Trucks	4/30/2022	6/17/2022	42	8	**2022**	**8,064**	**0.578**	**0.031**	1.20E-04	**381**		
WS	**Building Construction - 2022 (Structure Equipment Affordable)**	On-Road T7 HHDT Trucks	6/18/2022	7/13/2022	22	8	**2022**	**1,056**	**0.578**	**0.031**	3.01E-05			
	Building Construction - 2022 (Structure Equipment Affordable)	MHDT,HHDT	6/18/2022	7/13/2022	22	8	**2022**	**1100**	**0.578**	**0.033**	3.33E-05			
											6.34E-05	**386**		
ES	**Grading - 2022**	On-Road T7 HHDT Trucks	6/18/2022	7/13/2022	22	8	**2022**	**4,224**	**0.578**	**0.031**	1.20E-04	**387**		
WS	**Building Construction - 2022 (Retail)**	On-Road T7 HHDT Trucks	7/14/2022	7/15/2022	2	8	**2022**	**56**	**0.578**	**0.031**	1.76E-05			
	Building Construction - 2022 (Retail)	MHDT,HHDT	7/14/2022	7/15/2022	2	8	**2022**	**100**	**0.578**	**0.033**	3.33E-05			
											5.08E-05	**392**		
ES	**Grading - 2022**	On-Road T7 HHDT Trucks	7/14/2022	7/15/2022	2	8	**2022**	**384**	**0.578**	**0.031**	1.20E-04	**393**		
WS	**Building Construction - 2022**	On-Road T7 HHDT Trucks	7/16/2022	10/21/2022	84	8	**2022**		**0.578**	**0.031**				
	Building Construction - 2022	MHDT,HHDT	7/16/2022	10/21/2022	84	8	**2022**	**4200**	**0.578**	**0.033**	3.33E-05	**397**		
ES	**Grading - 2022**	On-Road T7 HHDT Trucks	7/16/2022	10/21/2022	84	8	**2022**	**16,128**	**0.578**	**0.031**	1.20E-04	**398**		
WS	**Building Construction - 2022**	On-Road T7 HHDT Trucks	10/22/2022	10/26/2022	4	8	**2022**		**0.578**	**0.031**				
	Building Construction - 2022	MHDT,HHDT	10/22/2022	10/26/2022	4	8	**2022**	**200**	**0.578**	**0.033**	3.33E-05	**402**		
	Architectural Coating - 2022	On-Road T7 HHDT Trucks	10/22/2022	10/26/2022	4	8	**2022**		**0.578**	**0.031**				
ES	**Grading - 2022**	On-Road T7 HHDT Trucks	10/22/2022	10/26/2022	4	8	**2022**	**768**	**0.578**	**0.031**	1.20E-04	**404**		
													Emissions Rate	
WS	**Building Construction - 2022**	On-Road T7 HHDT Trucks	10/26/2022	12/31/2022	58	8	**2022**		**0.578**	**0.031**			During Work Period	
	Building Construction - 2022	MHDT,HHDT	10/26/2022	12/31/2022	58	8	**2022**	**2900**	**0.578**	**0.033**	3.33E-05	**408**	(grams/sec) weighted contribution over a year	
	Architectural Coating - 2022	On-Road T7 HHDT Trucks	10/26/2022	12/31/2022	58	8	**2022**		**0.578**	**0.031**				
ES	**Grading - 2022**	On-Road T7 HHDT Trucks	10/26/2022	12/31/2022	58	8	**2022**		**0.578**	**0.031**			West Site	East Site
WS	**Building Construction - 2023**	On-Road T7 HHDT Trucks	1/1/2023	1/10/2023	8	8	**2023**		**0.578**	**0.015**				On-Road Year 3
	Building Construction - 2023	MHDT,HHDT	1/1/2023	1/10/2023	8	8	**2023**	**400**	**0.578**	**0.013**	1.30E-05	**413**	3.31E-07	
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	1/1/2023	1/10/2023	8	8	**2023**		**0.578**	**0.015**				3.01E-05 Total
ES	**Grading - 2023**	On-Road T7 HHDT Trucks	1/1/2023	1/10/2023	8	8	**2023**		**0.578**	**0.015**				
														1.29E-05 WS
WS	**Building Construction - 2023**	On-Road T7 HHDT Trucks	1/11/2023	1/29/2023	16	8	**2023**		**0.578**	**0.015**				
	Building Construction - 2023	MHDT,HHDT	1/11/2023	1/29/2023	16	8	**2023**	**800**	**0.578**	**0.013**	1.30E-05	**418**	6.62E-07	1.72E-05 ES
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	1/11/2023	1/29/2023	16	8	**2023**		**0.578**	**0.015**				
ES	**Foundations/Concrete Pour (Shoring Wall) - 2023**	On-Road T7 HHDT Trucks	1/11/2023	1/29/2023	16	8	**2023**	**320**	**0.578**	**0.015**	5.96E-06			3.05E-07
	Foundations/Concrete Pour (Cast In Drilled Hole Foundation) - 2023	On-Road T7 HHDT Trucks	1/11/2023	1/29/2023	16	8	**2023**	**64**	**0.578**	**0.015**	1.19E-06			6.09E-08
											7.15E-06	**422**		
WS	**Building Construction - 2023**	On-Road T7 HHDT Trucks	1/30/2023	2/14/2023	14	8	**2023**		**0.578**	**0.015**				
	Building Construction - 2023	MHDT,HHDT	1/30/2023	2/14/2023	14	8	**2023**	**700**	**0.578**	**0.013**	1.30E-05	**425**	5.79E-07	
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	1/30/2023	2/14/2023	14	8	**2023**		**0.578**	**0.015**				
ES	**Foundations/Concrete Pour (Cast In Drilled Hole Foundation) - 2023**	On-Road T7 HHDT Trucks	1/30/2023	2/14/2023	14	8	**2023**	**56**	**0.578**	**0.015**	1.19E-06	**427**		5.33E-08
WS	**Building Construction - 2023**	On-Road T7 HHDT Trucks	2/15/2023	2/15/2023	1	8	**2023**		**0.578**	**0.015**				
	Building Construction - 2023	MHDT,HHDT	2/15/2023	2/15/2023	1	8	**2023**	**50**	**0.578**	**0.013**	1.30E-05	**431**	4.14E-08	
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	2/15/2023	2/15/2023	1	8	**2023**		**0.578**	**0.015**				
ES	**Foundations/Concrete Pour (Mat Foundation)- 2023**	On-Road T7 HHDT Trucks	2/15/2023	2/15/2023	1	11	**2023**	**142**	**0.578**	**0.015**	3.08E-05	**433**		9.83E-08
WS	**Building Construction - 2023**	On-Road T7 HHDT Trucks	2/16/2023	2/20/2023	4	8	**2023**		**0.578**	**0.015**				
	Building Construction - 2023	MHDT,HHDT	2/16/2023	2/20/2023	4	8	**2023**	**200**	**0.578**	**0.013**	1.30E-05	**437**	1.66E-07	
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	2/16/2023	2/20/2023	4	8	**2023**		**0.578**	**0.015**				
ES	**Foundations/Concrete Pour (Column Footings) - 2023**	On-Road T7 HHDT Trucks	2/16/2023	2/20/2023	4	8	**2023**	**168**	**0.578**	**0.015**	1.25E-05	**439**		1.60E-07
WS	**Building Construction - 2023**	On-Road T7 HHDT Trucks	2/21/2023	2/26/2023	5	8	**2023**		**0.578**	**0.015**				
	Building Construction - 2023	MHDT,HHDT	2/21/2023	2/26/2023	5	8	**2023**	**250**	**0.578**	**0.013**	1.30E-05	**443**	2.07E-07	
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	2/21/2023	2/26/2023	5	8	**2023**		**0.578**	**0.015**				
ES	**Foundations - 2023**	On-Road T7 HHDT Trucks	2/21/2023	2/26/2023	5	8	**2023**		**0.578**	**0.015**				
WS	**Building Construction - 2023**	On-Road T7 HHDT Trucks	2/27/2023	5/4/2023	58	8	**2023**		**0.578**	**0.015**				
	Building Construction - 2023	MHDT,HHDT	2/27/2023	5/4/2023	58	8	**2023**	**2900**	**0.578**	**0.013**	1.30E-05	**448**	2.40E-06	
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	2/27/2023	5/4/2023	58	8	**2023**		**0.578**	**0.015**				
ES	**Building Construction - 2023 (Structure Equipment Garage)**	On-Road T7 HHDT Trucks	2/27/2023	5/4/2023	58	8	**2023**	**5104**	**0.578**	**0.015**	2.62E-05			4.86E-06
	Building Construction - 2023 (Structure Equipment Garage)	MHDT,HHDT	2/27/2023	5/4/2023	58	8	**2023**	**2900**	**0.578**	**0.013**	1.30E-05			2.40E-06
											3.92E-05	**452**		
WS	**Building Construction - 2023**	On-Road T7 HHDT Trucks	5/5/2023	7/5/2023	53	8	**2023**		**0.578**	**0.015**				
	Building Construction - 2023	MHDT,HHDT	5/5/2023	7/5/2023	53	8	**2023**	**2650**	**0.578**	**0.013**	1.30E-05	**455**	2.19E-06	
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	5/5/2023	7/5/2023	53	8	**2023**		**0.578**	**0.015**				
ES	**Building Construction - 2023 (Structure Equipment Tower)**	On-Road T7 HHDT Trucks	5/5/2023	7/5/2023	53	8	**2023**	**2120**	**0.578**	**0.015**	1.19E-05			2.02E-06
	Building Construction - 2023 (Structure Equipment Tower)	MHDT,HHDT	5/5/2023	7/5/2023	53	8	**2023**	**2650**	**0.578**	**0.013**	1.30E-05			2.19E-06
											2.49E-05	**459**		

WS	Building Construction - 2023	On-Road T7 HHDT Trucks	7/6/2023	8/8/2023	29	8	2023		0.578	0.015							
	Building Construction - 2023	MHDT,HHDT	7/6/2023	8/8/2023	29	8	2023	1450	0.578	0.013	1.30E-05	462	1.20E-06				
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	7/6/2023	8/8/2023	29	8	2023		0.578	0.015							
	Paving - 2023	On-Road T7 HHDT Trucks	7/6/2023	8/8/2023	29	8	2023		0.578	0.015							
ES	Building Construction - 2023 (Structure Equipment Tower)	On-Road T7 HHDT Trucks	7/6/2023	8/8/2023	29	8	2023	1160	0.578	0.015	1.19E-05			1.10E-06			
	Building Construction - 2023 (Structure Equipment Tower)	MHDT,HHDT	7/6/2023	8/8/2023	29	8	2023	1450	0.578	0.013	1.30E-05			1.20E-06			
											2.49E-05	467					
WS	Building Construction - 2023	On-Road T7 HHDT Trucks	8/9/2023	8/29/2023	18	8	2023		0.578	0.015							
	Building Construction - 2023	MHDT,HHDT	8/9/2023	8/29/2023	18	8	2023	900	0.578	0.013	1.30E-05	470	7.45E-07				
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	8/9/2023	8/29/2023	18	8	2023		0.578	0.015							
	Paving - 2023	On-Road T7 HHDT Trucks	8/9/2023	8/29/2023	18	8	2023		0.578	0.015							
ES	Building Construction - 2023 (Structure Equipment Affordable)	On-Road T7 HHDT Trucks	8/9/2023	8/29/2023	18	8	2023	648	0.578	0.015	1.07E-05			6.17E-07			
	Building Construction - 2023 (Structure Equipment Affordable)	MHDT,HHDT	8/9/2023	8/29/2023	18	8	2023	900	0.578	0.013	1.30E-05			7.45E-07			
											2.37E-05	475					
WS	Building Construction - 2023	On-Road T7 HHDT Trucks	8/30/2023	9/1/2023	3	8	2023		0.578	0.015							
	Building Construction - 2023	MHDT,HHDT	8/30/2023	9/1/2023	3	8	2023	150	0.578	0.013	1.30E-05	478	1.24E-07				
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	8/30/2023	9/1/2023	3	8	2023		0.578	0.015							
	Paving - 2023	On-Road T7 HHDT Trucks	8/30/2023	9/1/2023	3	8	2023		0.578	0.015							
ES	Building Construction - 2023 (Retail)	On-Road T7 HHDT Trucks	8/30/2023	9/1/2023	3	8	2023	180	0.578	0.015	1.79E-05			1.71E-07			
	Building Construction - 2023 (Retail)	MHDT,HHDT	8/30/2023	9/1/2023	3	8	2023	150	0.578	0.013	1.30E-05			1.24E-07			
											3.08E-05	483					
WS	Building Construction - 2023	On-Road T7 HHDT Trucks	9/2/2023	10/2/2023	26	8	2023		0.578	0.015							
	Building Construction - 2023	MHDT,HHDT	9/2/2023	10/2/2023	26	8	2023	1300	0.578	0.013	1.30E-05	486	1.08E-06				
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	9/2/2023	10/2/2023	26	8	2023		0.578	0.015							
	Paving - 2023	On-Road T7 HHDT Trucks	9/2/2023	10/2/2023	26	8	2023		0.578	0.015							
ES	Building Construction - 2023	On-Road T7 HHDT Trucks	9/2/2023	10/2/2023	26	8	2023		0.578	0.015							
	Building Construction - 2023	MHDT,HHDT	9/2/2023	10/2/2023	26	8	2023	1300	0.578	0.013	1.30E-05	490		1.08E-06			
WS	Building Construction - 2023	On-Road T7 HHDT Trucks	10/3/2023	10/13/2023	10	8	2023		0.578	0.015							
	Building Construction - 2023	MHDT,HHDT	10/3/2023	10/13/2023	10	8	2023	500	0.578	0.013	1.30E-05	494	4.14E-07				
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	10/3/2023	10/13/2023	10	8	2023		0.578	0.015							
ES	Building Construction - 2023	On-Road T7 HHDT Trucks	10/3/2023	10/13/2023	10	8	2023		0.578	0.015							
	Building Construction - 2023	MHDT,HHDT	10/3/2023	10/13/2023	10	8	2023	500	0.578	0.013	1.30E-05	497					
WS	Building Construction - 2023	On-Road T7 HHDT Trucks	10/14/2023	12/31/2023	67	8	2023		0.578	0.015							
	Building Construction - 2023	MHDT,HHDT	10/14/2023	12/31/2023	67	8	2023	3350	0.578	0.013	1.30E-05	501	2.77E-06				
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	10/14/2023	12/31/2023	67	8	2023		0.578	0.015							
ES	Building Construction - 2023	On-Road T7 HHDT Trucks	10/14/2023	12/31/2023	67	8	2023		0.578	0.015							
	Building Construction - 2023	MHDT,HHDT	10/14/2023	12/31/2023	67	8	2023	3350	0.578	0.013	1.30E-05	504					
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	10/14/2023	12/31/2023	67	8	2023		0.578	0.015							
WS	Building Construction - 2024	On-Road T7 HHDT Trucks	1/1/2024	1/31/2024	27	8	2024		0.578	0.015							On-Road Year 4
	Building Construction - 2024	MHDT,HHDT	1/1/2024	1/31/2024	27	8	2024	1350	0.578	0.013	1.30E-05	509	1.12E-06				
	Architectural Coating - 2024	On-Road T7 HHDT Trucks	1/1/2024	1/31/2024	27	8	2024		0.578	0.015							2.66E-06 WS
ES	Building Construction - 2024	On-Road T7 HHDT Trucks	1/1/2024	1/31/2024	27	8	2024		0.578	0.015							
	Building Construction - 2024	MHDT,HHDT	1/1/2024	1/31/2024	27	8	2024	1350	0.578	0.013	1.30E-05	512		1.12E-06			
	Architectural Coating - 2024	On-Road T7 HHDT Trucks	1/1/2024	1/31/2024	27	8	2024		0.578	0.015							1.93E-05 ES
WS	Building Construction - 2024	On-Road T7 HHDT Trucks	2/1/2024	3/14/2024	37	8	2024		0.578	0.015							
	Building Construction - 2024	MHDT,HHDT	2/1/2024	3/14/2024	37	8	2024	1850	0.578	0.013	1.30E-05	517	1.54E-06				
ES	Building Construction - 2024	On-Road T7 HHDT Trucks	2/1/2024	3/14/2024	37	8	2024		0.578	0.015							
	Building Construction - 2024	MHDT,HHDT	2/1/2024	3/14/2024	37	8	2024	1850	0.578	0.013	1.30E-05	519		1.54E-06			
	Architectural Coating - 2024	On-Road T7 HHDT Trucks	2/1/2024	3/14/2024	37	8	2024		0.578	0.015							
ES	Building Construction - 2024	On-Road T7 HHDT Trucks	3/15/2024	7/11/2024	102	8	2024		0.578	0.015							
	Building Construction - 2024	MHDT,HHDT	3/15/2024	7/11/2024	102	8	2024	5100	0.578	0.013	1.30E-05	524		4.24E-06			
	Architectural Coating - 2024	On-Road T7 HHDT Trucks	3/15/2024	7/11/2024	102	8	2024		0.578	0.015							
ES	Building Construction - 2024	On-Road T7 HHDT Trucks	7/12/2024	10/10/2024	78	8	2024		0.578	0.015							
	Building Construction - 2024	MHDT,HHDT	7/12/2024	10/10/2024	78	8	2024	3900	0.578	0.013	1.30E-05	528		3.25E-06			
	Architectural Coating - 2024	On-Road T7 HHDT Trucks	7/12/2024	10/10/2024	78	8	2024		0.578	0.015							
	Paving - 2024	On-Road T7 HHDT Trucks	7/12/2024	10/10/2024	78	8	2024		0.578	0.015							
ES	Building Construction - 2024	On-Road T7 HHDT Trucks	10/11/2024	12/31/2024	70	8	2024		0.578	0.015							
	Building Construction - 2024	MHDT,HHDT	10/11/2024	12/31/2024	70	8	2024	3500	0.578	0.013	1.30E-05	533		2.91E-06			
	Architectural Coating - 2024	On-Road T7 HHDT Trucks	10/11/2024	12/31/2024	70	8	2024		0.578	0.015							
ES	Building Construction - 2025	On-Road T7 HHDT Trucks	1/1/2025	1/23/2025	20	8	2025		0.578	#N/A							
	Building Construction - 2025	MHDT,HHDT	1/1/2025	1/23/2025	20	8	2025	1000	0.578	0.013	1.31E-05	537		8.36E-07			
	Architectural Coating - 2025	On-Road T7 HHDT Trucks	1/1/2025	1/23/2025	20	8	2025		0.578	#N/A							
ES	Building Construction - 2025	On-Road T7 HHDT Trucks	1/24/2025	6/22/2025	128	8	2025		0.578	#N/A							
	Building Construction - 2025	MHDT,HHDT	1/24/2025	6/22/2025	128	8	2025	6400	0.578	0.013	1.31E-05	541		5.35E-06			
					Maximum 12-Month Emissions (for Chronic HI analysis)												
					Year 3	*West Site*	*313*				1.29E-05						
					Year 3	*East Site*	*313*				*1.72E-05*						
					Year 4	*West Site*	*313*				*2.66E-06*						
					Year 4	*East Site*	*313*				*1.93E-05*						

Notes:

a. The portion of the on-road trip length within a 1/4 mile of the Project Site.

b. California Air Resources Board. EMFAC2017 on-road vehicle emissions model.

Source: ESA 2020

Idling On-Road Construction Haul, Concrete, and Vendor Truck Emission Rates

	Construction Activity				Work Days per Year (days/year)	Work Hours per Day (hours/day)	Construction Activity Year	Total Number of Trucks			Idling Time per Truck (minutes)	DPM Idling Emissions Factor [a] (grams/hour)	Emissions Rate during Work Period (grams/second)	Row Number
WS	Demolition - 2021	On-Road T7 HHDT Trucks	1/4/2021	1/5/2021	2	8	2021	66			15	0.0013	3.71E-07	563
WS	Demolition - 2021	On-Road T7 HHDT Trucks	1/5/2021	1/13/2021	8	8	2021				15	0.0013		
WS	Demolition - 2021	On-Road T7 HHDT Trucks	1/14/2021	1/31/2021	15	8	2021				15	0.0013		
	Utilities/Trenching - 2021	On-Road T7 HHDT Trucks	1/14/2021	1/31/2021	15	8	2021				15	0.0013		
WS	Demolition - 2021	On-Road T7 HHDT Trucks	2/1/2021	2/3/2021	3	8	2021				15	0.0013		
	Utilities/Trenching - 2021	On-Road T7 HHDT Trucks	2/1/2021	2/3/2021	3	8	2021				15	0.0013		
	Site Preparation - 2021	On-Road T7 HHDT Trucks	2/1/2021	2/3/2021	3	8	2021				15	0.0013		
WS	Demolition - 2021	On-Road T7 HHDT Trucks	2/4/2021	2/10/2021	6	8	2021				15	0.0013		
	Site Preparation - 2021	On-Road T7 HHDT Trucks	2/4/2021	2/10/2021	6	8	2021				15	0.0013		
WS	Demolition - 2021	On-Road T7 HHDT Trucks	2/11/2021	2/28/2021	15	8	2021				15	0.0013		
	Site Preparation - 2021	On-Road T7 HHDT Trucks	2/11/2021	2/28/2021	15	8	2021				15	0.0013		
	Grading - 2021	On-Road T7 HHDT Trucks	2/11/2021	2/28/2021	15	8	2021	1,440			15	0.0013	1.08E-06	580
WS	Demolition - 2021	On-Road T7 HHDT Trucks	3/1/2021	3/1/2021	1	8	2021				15	0.0013		
	Grading - 2021	On-Road T7 HHDT Trucks	3/1/2021	3/1/2021	1	8	2021	96			15	0.0013	1.08E-06	583
WS	Grading - 2021	On-Road T7 HHDT Trucks	3/1/2021	10/11/2021	193	8	2021	18,528			15	0.0013	1.08E-06	585

WS	**Grading - 2021**	On-Road T7 HHDT Trucks	10/12/2021	12/31/2021	70	8	**2021**		**15**	**0.0013**			
WS	**Grading - 2022**	On-Road T7 HHDT Trucks	1/1/2022	1/2/2022	1	8	**2022**		**15**	**0.0005**			
WS	**Foundations/Concrete Pour - 2022 (Shoring Wall)**	On-Road T7 HHDT Trucks	1/3/2022	1/24/2022	19	8	**2022**	**190**	**15**	**0.0005**	4.57E-08		
	Foundations/Concrete Pour - 2022 (Cast in Drilled Hole Foundation)	On-Road T7 HHDT Trucks	1/3/2022	1/24/2022	19	8	**2022**	**38**	**15**	**0.0005**	9.15E-09		
											5.49E-08	593	
WS	**Foundations/Concrete Pour - 2022 (Cast in Drilled Hole Foundation)**	On-Road T7 HHDT Trucks	1/25/2022	2/18/2022	22	8	**2022**	**44**	**15**	**0.0005**	9.15E-09	595	
WS	**Foundations/Concrete Pour - 2022 (Mat Foundation)**	On-Road T7 HHDT Trucks	2/19/2022	2/20/2022	1	14	**2022**	**94**	**15**	**0.0005**	2.46E-07	597	
WS	**Foundations/Concrete Pour - 2022 (Column Footings)**	On-Road T7 HHDT Trucks	2/21/2022	2/24/2022	4	8	**2022**	**84**	**15**	**0.0005**	9.61E-08	599	
WS	**Foundations - 2022**	On-Road T7 HHDT Trucks	2/25/2022	2/28/2022	3	8	**2022**		**15**	**0.0005**			
WS	**Building Construction - 2022 (Structure Equipment Garage)**	On-Road T7 HHDT Trucks	3/1/2022	3/2/2022	2	8	**2022**	**84**	**15**	**0.0005**	1.92E-07		
	Building Construction - 2022 (Structure Equipment Garage)	MHDT,HHDT	3/1/2022	3/2/2022	2	8	**2022**	**50**	**15**	**0.0011**	2.31E-07		
											4.23E-07	605	
ES	**Site Preparation - 2022**	On-Road T7 HHDT Trucks	3/1/2022	3/2/2022	2	8	**2022**	**52**	**15**	**0.0005**	1.19E-07	606	
WS	**Building Construction - 2022 (Structure Equipment Garage)**	On-Road T7 HHDT Trucks	3/3/2022	3/14/2022	10	8	**2022**	**420**	**15**	**0.0005**	1.92E-07		
	Building Construction - 2022 (Structure Equipment Garage)	MHDT,HHDT	3/3/2022	3/14/2022	10	8	**2022**	**250**	**15**	**0.0011**	2.31E-07		
											4.23E-07	611	
ES	**Site Preparation - 2022**	On-Road T7 HHDT Trucks	3/3/2022	3/14/2022	10	8	**2022**		**15**	**0.0005**			
WS	**Building Construction - 2022 (Structure Equipment Garage)**	On-Road T7 HHDT Trucks	3/15/2022	3/26/2022	11	8	**2022**	**462**	**15**	**0.0005**	1.92E-07		
	Building Construction - 2022 (Structure Equipment Garage)	MHDT,HHDT	3/15/2022	3/26/2022	11	8	**2022**	**275**	**15**	**0.0011**	2.31E-07		
											4.23E-07	617	
ES	**Site Preparation - 2022**	On-Road T7 HHDT Trucks	3/15/2022	3/26/2022	11	8	**2022**		**15**	**0.0005**			
	Utilities/Trenching - 2022	On-Road T7 HHDT Trucks	3/15/2022	3/26/2022	11	8	**2022**		**15**	**0.0005**			
	Grading - 2022	On-Road T7 HHDT Trucks	3/15/2022	3/26/2022	11	8	**2022**	**1056**	**15**	**0.0005**	4.39E-07	620	
WS	**Building Construction - 2022 (Structure Equipment Garage)**	On-Road T7 HHDT Trucks	3/27/2022	3/31/2022	4	8	**2022**	**168**	**15**	**0.0005**	1.92E-07		
	Building Construction - 2022 (Structure Equipment Garage)	MHDT,HHDT	3/27/2022	3/31/2022	4	8	**2022**	**100**	**15**	**0.0011**	2.31E-07		
											4.23E-07	625	
ES	**Site Preparation - 2022**	On-Road T7 HHDT Trucks	3/27/2022	3/31/2022	4	8	**2022**		**15**	**0.0005**			
	Grading - 2022	On-Road T7 HHDT Trucks	3/27/2022	3/31/2022	4	8	**2022**	**384**	**15**	**0.0005**	4.39E-07	627	
WS	**Building Construction - 2022 (Structure Equipment Garage)**	On-Road T7 HHDT Trucks	4/1/2022	4/29/2022	25	8	**2022**	**1,050**	**15**	**0.0005**	1.92E-07		
	Building Construction - 2022 (Structure Equipment Garage)	MHDT,HHDT	4/1/2022	4/29/2022	25	8	**2022**	**625**	**15**	**0.0011**	2.31E-07		
											4.23E-07	632	
ES	**Grading - 2022**	On-Road T7 HHDT Trucks	4/1/2022	4/29/2022	25	8	**2022**	**2,400**	**15**	**0.0005**	4.39E-07	633	
WS	**Building Construction - 2022 (Structure Equipment Tower)**	On-Road T7 HHDT Trucks	4/30/2022	6/17/2022	42	8	**2022**	**882**	**15**	**0.0005**	9.61E-08		
	Building Construction - 2022 (Structure Equipment Tower)	MHDT,HHDT	4/30/2022	6/17/2022	42	8	**2022**	**1,050**	**15**	**0.0011**	2.31E-07		
											3.27E-07	638	
ES	**Grading - 2022**	On-Road T7 HHDT Trucks	4/30/2022	6/17/2022	42	8	**2022**	**4,032**	**15**	**0.0005**	4.39E-07	639	
WS	**Building Construction - 2022 (Structure Equipment Affordable)**	On-Road T7 HHDT Trucks	6/18/2022	7/13/2022	22	8	**2022**	**528**	**15**	**0.0005**	1.10E-07		
	Building Construction - 2022 (Structure Equipment Affordable)	MHDT,HHDT	6/18/2022	7/13/2022	22	8	**2022**	**550**	**15**	**0.0011**	2.31E-07		
											3.41E-07	644	
ES	**Grading - 2022**	On-Road T7 HHDT Trucks	6/18/2022	7/13/2022	22	8	**2022**	**2,112**	**15**	**0.0005**	4.39E-07	645	
WS	**Building Construction - 2022 (Retail)**	On-Road T7 HHDT Trucks	7/14/2022	7/15/2022	2	8	**2022**	**28**	**15**	**0.0005**	6.40E-08		
	Building Construction - 2022 (Retail)	MHDT,HHDT	7/14/2022	7/15/2022	2	8	**2022**	**50**	**15**	**0.0011**	2.31E-07		
											2.95E-07	650	
ES	**Grading - 2022**	On-Road T7 HHDT Trucks	7/14/2022	7/15/2022	2	8	**2022**	**192**	**15**	**0.0005**	4.39E-07	651	
WS	**Building Construction - 2022**	On-Road T7 HHDT Trucks	7/16/2022	10/21/2022	84	8	**2022**		**15**	**0.0005**			
	Building Construction - 2022	MHDT,HHDT	7/16/2022	10/21/2022	84	8	**2022**	**2,100**	**15**	**0.0005**	1.14E-07	655	
ES	**Grading - 2022**	On-Road T7 HHDT Trucks	7/16/2022	10/21/2022	84	8	**2022**	**8,064**	**15**	**0.0005**	4.39E-07	656	
WS	**Building Construction - 2022**	On-Road T7 HHDT Trucks	10/22/2022	10/26/2022	4	8	**2022**		**15**	**0.0005**			
	Building Construction - 2022	MHDT,HHDT	10/22/2022	10/26/2022	4	8	**2022**	**100**	**15**	**0.0011**	2.31E-07	660	
	Architectural Coating - 2022	On-Road T7 HHDT Trucks	10/22/2022	10/26/2022	4	8	**2022**		**15**	**0.0005**			
ES	**Grading - 2022**	On-Road T7 HHDT Trucks	10/22/2022	10/26/2022	4	8	**2022**	**384**	**15**	**0.0005**	4.39E-07	662	
WS	**Building Construction - 2022**	On-Road T7 HHDT Trucks	10/26/2022	12/31/2022	58	8	**2022**		**15**	**0.0005**			
	Building Construction - 2022	MHDT,HHDT	10/26/2022	12/31/2022	58	8	**2022**	**1,450**	**15**	**0.0011**	2.31E-07	666	
	Architectural Coating - 2022	On-Road T7 HHDT Trucks	10/26/2022	12/31/2022	58	8	**2022**		**15**	**0.0005**			
ES	**Grading - 2022**	On-Road T7 HHDT Trucks	10/26/2022	12/31/2022	58	8	**2022**		**15**	**0.0005**			
WS	**Building Construction - 2023**	On-Road T7 HHDT Trucks	1/1/2023	1/10/2023	8	8	**2023**		**15**	**0.0003**			
	Building Construction - 2023	MHDT,HHDT	1/1/2023	1/10/2023	8	8	**2023**	**200**	**15**	**0.0007**	1.53E-07	671	
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	1/1/2023	1/10/2023	8	8	**2023**		**15**	**0.0003**			
ES	**Grading - 2023**	On-Road T7 HHDT Trucks	1/1/2023	1/10/2023	8	8	**2023**		**15**	**0.0003**			
WS	**Building Construction - 2023**	On-Road T7 HHDT Trucks	1/11/2023	1/29/2023	16	8	**2023**		**15**	**0.0003**			
	Building Construction - 2023	MHDT,HHDT	1/11/2023	1/29/2023	16	8	**2023**	**400**	**15**	**0.0007**	1.53E-07	676	
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	1/11/2023	1/29/2023	16	8	**2023**		**15**	**0.0003**			
ES	**Foundations/Concrete Pour (Shoring Wall) - 2023**	On-Road T7 HHDT Trucks	1/11/2023	1/29/2023	16	8	**2023**	**160**	**15**	**0.0003**	2.69E-08		
	Foundations/Concrete Pour (Cast In Drilled Hole Foundation) - 2023	On-Road T7 HHDT Trucks	1/11/2023	1/29/2023	16	8	**2023**	**32**	**15**	**0.0003**	5.38E-09		
											3.23E-08	680	
WS	**Building Construction - 2023**	On-Road T7 HHDT Trucks	1/30/2023	2/14/2023	14	8	**2023**		**15**	**0.0003**			
	Building Construction - 2023	MHDT,HHDT	1/30/2023	2/14/2023	14	8	**2023**	**350**	**15**	**0.0007**	1.53E-07	683	
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	1/30/2023	2/14/2023	14	8	**2023**		**15**	**0.0003**			
ES	**Foundations/Concrete Pour (Cast In Drilled Hole Foundation) - 2023**	On-Road T7 HHDT Trucks	1/30/2023	2/14/2023	14	8	**2023**	**28**	**15**	**0.0003**	5.38E-09	685	
WS	**Building Construction - 2023**	On-Road T7 HHDT Trucks	2/15/2023	2/15/2023	1	8	**2023**		**15**	**0.0003**			
	Building Construction - 2024	MHDT,HHDT	2/15/2023	2/15/2023	1	8	**2023**	**25**	**15**	**0.0007**	1.53E-07	689	
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	2/15/2023	2/15/2023	1	8	**2023**		**15**	**0.0003**			
ES	**Foundations/Concrete Pour (Mat Foundation)- 2023**	On-Road T7 HHDT Trucks	2/15/2023	2/15/2023	1	11	**2023**	**71**	**15**	**0.0003**	1.39E-07	691	

Emissions Rate
During Work Period
(grams/sec) weighted contribution over a year

West Site	East Site	Idling Year 3	
3.90E-09		3.24E-07	Total
		1.52E-07	WS
7.81E-09		1.71E-07	ES
	1.37E-09		
	2.75E-10		
4.88E-10			
	2.41E-10		
	4.44E-10		

WS	**Building Construction - 2023**	On-Road T7 HHDT Trucks	2/16/2023	2/20/2023	4	8	**2023**		**15**	**0.0003**					
	Building Construction - 2023	MHDT,HHDT	2/16/2023	2/20/2023	4	8	**2023**	**100**	**15**	**0.0007**	1.53E-07	695	1.95E-09		
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	2/16/2023	2/20/2023	4	8	**2023**		**15**	**0.0003**					
ES	**Foundations/Concrete Pour (Column Footings) - 2023**	On-Road T7 HHDT Trucks	2/16/2023	2/20/2023	4	8	**2023**	**84**	**15**	**0.0003**	5.65E-08	697		7.22E-10	
WS	**Building Construction - 2023**	On-Road T7 HHDT Trucks	2/21/2023	2/26/2023	5	8	**2023**		**15**	**0.0003**					
	Building Construction - 2023	MHDT,HHDT	2/21/2023	2/26/2023	5	8	**2023**	**125**	**15**	**0.0007**	1.53E-07	701	2.44E-09		
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	2/21/2023	2/26/2023	5	8	**2023**		**15**	**0.0003**					
ES	**Foundations - 2023**	On-Road T7 HHDT Trucks	2/21/2023	2/26/2023	5	8	**2023**		**15**	**0.0003**					
WS	**Building Construction - 2023**	On-Road T7 HHDT Trucks	2/27/2023	5/4/2023	58	8	**2023**		**15**	**0.0003**					
	Building Construction - 2023	MHDT,HHDT	2/27/2023	5/4/2023	58	8	**2023**	**1450**	**15**	**0.0007**	1.53E-07	706	2.83E-08		
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	2/27/2023	5/4/2023	58	8	**2023**		**15**	**0.0003**					
ES	**Building Construction - 2023 (Structure Equipment Garage)**	On-Road T7 HHDT Trucks	2/27/2023	5/4/2023	58	8	**2023**	**2552**	**15**	**0.0003**	1.18E-07			2.19E-08	
	Building Construction - 2023 (Structure Equipment Garage)	MHDT,HHDT	2/27/2023	5/4/2023	58	8	**2023**	**1450**	**15**	**0.0007**	1.53E-07			2.83E-08	
											2.71E-07	710			
WS	**Building Construction - 2023**	On-Road T7 HHDT Trucks	5/5/2023	7/5/2023	53	8	**2023**		**15**	**0.0003**					
	Building Construction - 2023	MHDT,HHDT	5/5/2023	7/5/2023	53	8	**2023**	**1325**	**15**	**0.0007**	1.53E-07	713	2.59E-08		
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	5/5/2023	7/5/2023	53	8	**2023**		**15**	**0.0003**					
ES	**Building Construction - 2023 (Structure Equipment Tower)**	On-Road T7 HHDT Trucks	5/5/2023	7/5/2023	53	8	**2023**	**1060**	**15**	**0.0003**	5.38E-08			9.11E-09	
	Building Construction - 2023 (Structure Equipment Tower)	MHDT,HHDT	5/5/2023	7/5/2023	53	8	**2023**	**1325**	**15**	**0.0007**	1.53E-07			2.59E-08	
											2.07E-07	717			
WS	**Building Construction - 2023**	On-Road T7 HHDT Trucks	7/6/2023	8/8/2023	29	8	**2023**		**15**	**0.0003**					
	Building Construction - 2023	MHDT,HHDT	7/6/2023	8/8/2023	29	8	**2023**	**725**	**15**	**0.0007**	1.53E-07	720	1.42E-08		
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	7/6/2023	8/8/2023	29	8	**2023**		**15**	**0.0003**					
	Paving - 2023	On-Road T7 HHDT Trucks	7/6/2023	8/8/2023	29	8	**2023**		**15**	**0.0003**					
ES	**Building Construction - 2023 (Structure Equipment Tower)**	On-Road T7 HHDT Trucks	7/6/2023	8/8/2023	29	8	**2023**	**580**	**15**	**0.0003**	5.38E-08			4.98E-09	
	Building Construction - 2023 (Structure Equipment Tower)	MHDT,HHDT	7/6/2023	8/8/2023	29	8	**2023**	**725**	**15**	**0.0007**	1.53E-07			1.42E-08	
											2.07E-07	725			
WS	**Building Construction - 2023**	On-Road T7 HHDT Trucks	8/9/2023	8/29/2023	18	8	**2023**		**15**	**0.0003**					
	Building Construction - 2023	MHDT,HHDT	8/9/2023	8/29/2023	18	8	**2023**	**450**	**15**	**0.0007**	1.53E-07	728	8.78E-09		
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	8/9/2023	8/29/2023	18	8	**2023**		**15**	**0.0003**					
	Paving - 2023	On-Road T7 HHDT Trucks	8/9/2023	8/29/2023	18	8	**2023**		**15**	**0.0003**					
ES	**Building Construction - 2023 (Structure Equipment Affordable)**	On-Road T7 HHDT Trucks	8/9/2023	8/29/2023	18	8	**2023**	**324**	**15**	**0.0003**	4.84E-08			2.78E-09	
	Building Construction - 2023 (Structure Equipment Affordable)	MHDT,HHDT	8/9/2023	8/29/2023	18	8	**2023**	**450**	**15**	**0.0007**	1.53E-07			8.78E-09	
											2.01E-07	733			
WS	**Building Construction - 2023**	On-Road T7 HHDT Trucks	8/30/2023	9/1/2023	3	8	**2023**		**15**	**0.0003**					
	Building Construction - 2023	MHDT,HHDT	8/30/2023	9/1/2023	3	8	**2023**	**75**	**15**	**0.0007**	1.53E-07	736	1.46E-09		
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	8/30/2023	9/1/2023	3	8	**2023**		**15**	**0.0003**					
	Paving - 2023	On-Road T7 HHDT Trucks	8/30/2023	9/1/2023	3	8	**2023**		**15**	**0.0003**					
ES	**Building Construction - 2023 (Retail)**	On-Road T7 HHDT Trucks	8/30/2023	9/1/2023	3	8	**2023**	**90**	**15**	**0.0003**	8.07E-08			7.73E-10	
	Building Construction - 2023 (Retail)	MHDT,HHDT	8/30/2023	9/1/2023	3	8	**2023**	**75**	**15**	**0.0007**	1.53E-07			1.46E-09	
											2.33E-07	741			
WS	**Building Construction - 2023**	On-Road T7 HHDT Trucks	9/2/2023	10/2/2023	26	8	**2023**		**15**	**0.0003**					
	Building Construction - 2023	MHDT,HHDT	9/2/2023	10/2/2023	26	8	**2023**	**650**	**15**	**0.0007**	1.53E-07	744	1.27E-08		
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	9/2/2023	10/2/2023	26	8	**2023**		**15**	**0.0003**					
	Paving - 2023	On-Road T7 HHDT Trucks	9/2/2023	10/2/2023	26	8	**2023**		**15**	**0.0003**					
ES	**Building Construction - 2023**	On-Road T7 HHDT Trucks	9/2/2023	10/2/2023	26	8	**2023**		**15**	**0.0003**					
	Building Construction - 2023	MHDT,HHDT	9/2/2023	10/2/2023	26	8	**2023**	**650**	**15**	**0.0007**	1.53E-07	748		1.27E-08	
WS	**Building Construction - 2023**	On-Road T7 HHDT Trucks	10/3/2023	10/13/2023	10	8	**2023**		**15**	**0.0003**					
	Building Construction - 2023	MHDT,HHDT	10/3/2023	10/13/2023	10	8	**2023**	**250**	**15**	**0.0007**	1.53E-07	752	4.88E-09		
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	10/3/2023	10/13/2023	10	8	**2023**		**15**	**0.0003**					
ES	**Building Construction - 2023**	On-Road T7 HHDT Trucks	10/3/2023	10/13/2023	10	8	**2023**		**15**	**0.0003**					
	Building Construction - 2023	MHDT,HHDT	10/3/2023	10/13/2023	10	8	**2023**	**250**	**15**	**0.0007**	1.53E-07	755		4.88E-09	
WS	**Building Construction - 2023**	On-Road T7 HHDT Trucks	10/14/2023	12/31/2023	67	8	**2023**		**15**	**0.0003**					
	Building Construction - 2023	MHDT,HHDT	10/14/2023	12/31/2023	67	8	**2023**	**1675**	**15**	**0.0007**	1.53E-07	759	3.27E-08		
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	10/14/2023	12/31/2023	67	8	**2023**		**15**	**0.0003**					
ES	**Building Construction - 2023**	On-Road T7 HHDT Trucks	10/14/2023	12/31/2023	67	8	**2023**		**15**	**0.0003**					
	Building Construction - 2023	MHDT,HHDT	10/14/2023	12/31/2023	67	8	**2023**	**1675**	**15**	**0.0007**	1.53E-07	762		3.27E-08	
	Architectural Coating - 2023	On-Road T7 HHDT Trucks	10/14/2023	12/31/2023	67	8	**2023**		**15**	**0.0003**					
WS	**Building Construction - 2024**	On-Road T7 HHDT Trucks	1/1/2024	1/31/2024	27	8	**2024**		**15**	**0.0003**					Idling Year 4
	Building Construction - 2024	MHDT,HHDT	1/1/2024	1/31/2024	27	8	**2024**	**675**	**15**	**0.0007**	1.45E-07	767	1.25E-08		
	Architectural Coating - 2024	On-Road T7 HHDT Trucks	1/1/2024	1/31/2024	27	8	**2024**		**15**	**0.0003**					2.97E-08 WS
ES	**Building Construction - 2024**	On-Road T7 HHDT Trucks	1/1/2024	1/31/2024	27	8	**2024**		**15**	**0.0003**					
	Building Construction - 2024	MHDT,HHDT	1/1/2024	1/31/2024	27	8	**2024**	**675**	**15**	**0.0007**	1.45E-07	770		1.25E-08	
	Architectural Coating - 2024	On-Road T7 HHDT Trucks	1/1/2024	1/31/2024	27	8	**2024**		**15**	**0.0003**					2.12E-07 ES
WS	**Building Construction - 2024**	On-Road T7 HHDT Trucks	2/1/2024	3/14/2024	37	8	**2024**		**15**	**0.0003**					
	Building Construction - 2024	MHDT,HHDT	2/1/2024	3/14/2024	37	8	**2024**	**925**	**15**	**0.0007**	1.45E-07	775	1.72E-08		
ES	**Building Construction - 2024**	On-Road T7 HHDT Trucks	2/1/2024	3/14/2024	37	8	**2024**		**15**	**0.0003**					
	Building Construction - 2024	MHDT,HHDT	2/1/2024	3/14/2024	37	8	**2024**	**925**	**15**	**0.0007**	1.45E-07	777		1.72E-08	
	Architectural Coating - 2024	On-Road T7 HHDT Trucks	2/1/2024	3/14/2024	37	8	**2024**		**15**	**0.0003**					
ES	**Building Construction - 2024**	On-Road T7 HHDT Trucks	3/15/2024	7/11/2024	102	8	**2024**		**15**	**0.0003**					
	Building Construction - 2024	MHDT,HHDT	3/15/2024	7/11/2024	102	8	**2024**	**2550**	**15**	**0.0007**	1.45E-07	782		4.74E-08	
	Architectural Coating - 2024	On-Road T7 HHDT Trucks	3/15/2024	7/11/2024	102	8	**2024**		**15**	**0.0003**					
ES	**Building Construction - 2024**	On-Road T7 HHDT Trucks	7/12/2024	10/10/2024	78	8	**2024**		**15**	**0.0003**					
	Building Construction - 2024	MHDT,HHDT	7/12/2024	10/10/2024	78	8	**2024**	**1950**	**15**	**0.0007**	1.45E-07	786		3.62E-08	
	Architectural Coating - 2024	On-Road T7 HHDT Trucks	7/12/2024	10/10/2024	78	8	**2024**		**15**	**0.0003**					
	Paving - 2024	On-Road T7 HHDT Trucks	7/12/2024	10/10/2024	78	8	**2024**		**15**	**0.0003**					
ES	**Building Construction - 2024**	On-Road T7 HHDT Trucks	10/11/2024	12/31/2024	70	8	**2024**		**15**	**0.0003**					
	Building Construction - 2024	MHDT,HHDT	10/11/2024	12/31/2024	70	8	**2024**	**1750**	**15**	**0.0007**	1.45E-07	791		3.25E-08	
	Architectural Coating - 2024	On-Road T7 HHDT Trucks	10/11/2024	12/31/2024	70	8	**2024**		**15**	**0.0003**					
ES	**Building Construction - 2025**	On-Road T7 HHDT Trucks	1/1/2025	1/23/2025	20	8	**2025**		**15**						
	Building Construction - 2025	MHDT,HHDT	1/1/2025	1/23/2025	20	8	**2025**	**500**	**15**	**0.0006**	1.39E-07	795		8.88E-09	
	Architectural Coating - 2025	On-Road T7 HHDT Trucks	1/1/2025	1/23/2025	20	8	**2025**		**15**						
ES	**Building Construction - 2025**	On-Road T7 HHDT Trucks	1/24/2025	6/22/2025	128	8	**2025**		**15**						
	Building Construction - 2025	MHDT,HHDT	1/24/2025	6/22/2025	128	8	**2025**	**3200**	**15**	**0.0006**	1.39E-07	799		5.69E-08	

Maximum 12-Month Emissions (for Chronic HI analysis)

Year 3	*West Site*	*313*	*1.52E-07*
Year 3	*East Site*	*313*	*1.71E-07*
Year 4	*West Site*	*313*	*2.97E-08*
Year 4	*East Site*	*313*	*2.12E-07*

Notes:

a. California Air Resources Board, EMFAC2017 on-road vehicle emissions model.

Source: ESA 2020

Hollywood Center
Draft Environmental Impact Report
Construction Health Risk Assessment - MITIGATED
On-Road Soil/Material Haul Truck

Construction Phase	Source	Year	Daily One-Way Truck Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)
West Site						
Demolition	T7 - Single Construction	2021	66	2	8	30
Grading/Excavation	T7 - Single Construction	2021/2022	192	209	8	30
Foundations/Concrete Pour (Revised) [MH	T7 - Single Construction	2022				
Shoring Wall	T7 - Single Construction	2022	20	19	8	7.5
Cast in Drilled Hole Foundation	T7 - Single Construction	2022	4	41	8	7.5
Mat Foundation (Continuous Pour)	T7 - Single Construction	2022	188	1	14	7.5
Column Footings	T7 - Single Construction	2022	42	4	8	7.5
Building Construction (Revised) [Starting \	T7 - Single Construction	2022				
Structure Equipment Garage	T7 - Single Construction	2022	84	52	8	7.5
Structure Equipment Tower	T7 - Single Construction	2022	42	42	8	7.5
Structure Equipment Affordable	T7 - Single Construction	2022	48	22	8	7.5
Retail	T7 - Single Construction	2022	28	2	8	7.5
East Site						
Site Preparation	T7 - Single Construction	2022	52	2	8	30
Grading/Excavation	T7 - Single Construction	2022/2023	192	194	8	30
Foundations/Concrete Pour (Revised) [MH	T7 - Single Construction	2023				
Shoring Wall	T7 - Single Construction	2023	20	16	8	7.5
Cast in Drilled Hole Foundation	T7 - Single Construction	2023	4	30	8	7.5
Mat Foundation (Continuous Pour)	T7 - Single Construction	2023	142	1	11	7.5
Column Footings	T7 - Single Construction	2023	42	4	8	7.5
Building Construction (Revised) [Starting \	T7 - Single Construction	2023				
Structure Equipment Garage	T7 - Single Construction	2023	88	58	8	7.5
Structure Equipment Tower	T7 - Single Construction	2023	40	82	8	7.5
Structure Equipment Affordable	T7 - Single Construction	2023	36	18	8	7.5
Retail	T7 - Single Construction	2023	60	3	8	7.5

Source: Based on AECOM Tishman, 2018; Millennium Partners, 2018; ESA, 2020.

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On-Road Vendor Truck

Construction Phase	Source	Year	Daily One-Way Truck Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)
West Site						
Demolition		2021				
Site Preparation		2021				
Grading/Excavation		2021				
		2022				
Foundations/Concrete Pour (Revised) [MHW104: Foundatio		2022				
Foundations		2022				
Concrete Pour		2022				
Utilities/Trenching (Revised) [MHD101: Relocate/Protect Sit		2022				
Building Construction (Revised) [Starting with	MHDT,HHDT	2022				
	MHDT,HHDT	2022	50	263	8	6.9
	MHDT,HHDT	2023	50	312	8	6.9
	MHDT,HHDT	2024	50	64	8	6.9
East Site						
Site Preparation		2022				
Grading/Excavation		2022				
		2023				
Foundations/Concrete Pour (Revised) [MHE104: Foundatior		2023				
Foundations		2023				
Concrete Pour		2023				
Utilities/Trenching (Revised) [MHD101: Relocate/Protect Sit		2022				
Building Construction (Revised) [Starting with	MHDT,HHDT	2023				
	MHDT,HHDT	2023	50	264	8	6.9
	MHDT,HHDT	2024	50	314	8	6.9
	MHDT,HHDT	2025	50	148	8	6.9

Source: Based on AECOM Tishman, 2018; Millennium Partners, 2018; ESA, 2020.

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AERMOD Source Characteristics

Emission Source	Source Type	Source ID	Number of Sources	Length of Line (m)	Source Group Unitized Emission Rate (g/s)	Release Height (m)	Length of Side X (m)	Length of Side Y (m)	Initial Lateral (m)	Initial Vertical (m)	Plume Height (m)	Plume Width (m)	Exit Temp (°F)	Inside Diameter (ft)	Exit Flow Rate (ft^3/s)
Source Group 1															
West Site - Off-Road Heavy-Duty Construction Equipment	Volume	CEW	29	n/a	0.0345	5	15	15	3.49	1.16	n/a	n/a	n/a	n/a	n/a
Source Group 2															
Idling Haul and Vendor Trucks 3	Volume	IDW	2	n/a	0.5000	5	30	30	6.98	1.16	n/a	n/a	n/a	n/a	n/a
Source Group 5															
On-Road Haul and Vendor Trucks Option 1(unloaded from US101-S to WS)	Line-Volume	UTWO11	1	655.1	0.1486	3	n/a	n/a	n/a	n/a	5.1	9.7	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 1(unloaded from US101-N to WS)	Line-Volume	UTWO12	1	773.4	0.1755	3	n/a	n/a	n/a	n/a	5.1	9.7	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 1(loaded from WS to US101-S)	Line-Volume	LTWO13	1	727.2	0.1650	3	n/a	n/a	n/a	n/a	5.1	9.7	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 1(loaded from WS to US101-N)	Line-Volume	LTWO14	1	929.8	0.2109	3	n/a	n/a	n/a	n/a	5.1	9.7	n/a	n/a	n/a
					0.7000										
On-Road Haul and Vendor Trucks Option 2(unloaded from US101-S to WS)	Line-Volume	UTWO25a	1	850	0.0489	3	n/a	n/a	n/a	n/a	5.1	20.8	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 2(unloaded from US101-S to WS)	Line-Volume	UTWO25b	1	654.5	0.0377	3	n/a	n/a	n/a	n/a	5.1	13.4	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 2(unloaded from US101-S to WS)	Line-Volume	UTWO25c	1	186.1	0.0107	3	n/a	n/a	n/a	n/a	5.1	9.7	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 2(unloaded from US101-N to WS)	Line-Volume	UTWO26a	1	653.7	0.0376	3	n/a	n/a	n/a	n/a	5.1	13.4	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 2(unloaded from US101-N to WS)	Line-Volume	UTWO26b	1	186.2	0.0107	3	n/a	n/a	n/a	n/a	5.1	9.7	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 2(loaded from WS to US101-S)	Line-Volume	LTWO27a	1	384.2	0.0221	3	n/a	n/a	n/a	n/a	5.1	9.7	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 2(loaded from WS to US101-S)	Line-Volume	LTWO27b	1	531	0.0306	3	n/a	n/a	n/a	n/a	5.1	13.4	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 2(loaded from WS to US101-N)	Line-Volume	LTWO28a	1	383.7	0.0221	3	n/a	n/a	n/a	n/a	5.1	9.7	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 2(loaded from WS to US101-N)	Line-Volume	LTWO28b	1	531	0.0306	3	n/a	n/a	n/a	n/a	5.1	13.4	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 2(loaded from WS to US101-N)	Line-Volume	LTWO28c	1	850.8	0.0490	3	n/a	n/a	n/a	n/a	5.1	20.8	n/a	n/a	n/a
					0.3000										
Source Group 3															
East Site - Off-Road Heavy-Duty Construction Equipment	Volume	CEE	25	n/a	0.0400	5	15	15	3.49	1.16	n/a	n/a	n/a	n/a	n/a
Source Group 4															
Idling Haul and Vendor Trucks 3	Volume	IDE	2	n/a	0.5000	5	30	30	6.98	1.16	n/a	n/a	n/a	n/a	n/a
Source Group 6															
On-Road Haul and Vendor Trucks Option 1(unloaded from US101-S to ES)	Line-Volume	UTEO11	1	609.1	0.1497	3	n/a	n/a	n/a	n/a	5.1	9.7	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 1(unloaded from US101-N to ES)	Line-Volume	UTEO12	1	714	0.1754	3	n/a	n/a	n/a	n/a	5.1	9.7	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 1(loaded from ES to US101-S)	Line-Volume	LTEO13	1	666.6	0.1638	3	n/a	n/a	n/a	n/a	5.1	9.7	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 1(loaded from ES to US101-N)	Line-Volume	LTEO14	1	859	0.2111	3	n/a	n/a	n/a	n/a	5.1	9.7	n/a	n/a	n/a
					0.7000										
On-Road Haul and Vendor Trucks Option 2(unloaded from US101-S to ES)	Line-Volume	UTEO25a	1	851	0.0601	3	n/a	n/a	n/a	n/a	5.1	20.8	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 2(unloaded from US101-S to ES)	Line-Volume	UTEO25b	1	517.3	0.0365	3	n/a	n/a	n/a	n/a	5.1	13.4	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 2(unloaded from US101-S to ES)	Line-Volume	UTEO25c	1	115.5	0.0082	3	n/a	n/a	n/a	n/a	5.1	9.7	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 2(unloaded from US101-N to ES)	Line-Volume	UTEO26a	1	514	0.0363	3	n/a	n/a	n/a	n/a	5.1	13.4	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 2(unloaded from US101-N to ES)	Line-Volume	UTEO26b	1	113.9	0.0080	3	n/a	n/a	n/a	n/a	5.1	9.7	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 2(loaded from ES to US101-S)	Line-Volume	LTEO27a	1	119.2	0.0084	3	n/a	n/a	n/a	n/a	5.1	9.7	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 2(loaded from ES to US101-S)	Line-Volume	LTEO27b	1	526.2	0.0372	3	n/a	n/a	n/a	n/a	5.1	13.4	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 2(loaded from ES to US101-N)	Line-Volume	LTEO28a	1	118	0.0083	3	n/a	n/a	n/a	n/a	5.1	9.7	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 2(loaded from ES to US101-N)	Line-Volume	LTEO28b	1	524.9	0.0371	3	n/a	n/a	n/a	n/a	5.1	13.4	n/a	n/a	n/a
On-Road Haul and Vendor Trucks Option 2(loaded from ES to US101-N)	Line-Volume	LTEO28c	1	848.3	0.0599	3	n/a	n/a	n/a	n/a	5.1	20.8	n/a	n/a	n/a
					0.3000										

Source: ESA 2020

Source ID Key
- CEW - Construction Equipment West Site
- CEE - Construction Equipment East Site
- IDW - Idling West Site
- IDE - Idling East Site
- UTWO1 - Unloaded Truck West Site Haul Route Option 1
- UTWO2 - Unloaded Truck West Site Haul Route Option 2
- LTWO1 - Loaded Truck West Site Haul Route Option 1
- LTWO2 - Unloaded Truck West Site Haul Route Option 2
- UTEO1 - Unloaded Truck East Site Haul Route Option 1
- UTEO2 - Unloaded Truck East Site Haul Route Option 2
- LTEO1 - Loaded Truck East Site Haul Route Option 1
- LTEO2 - Loaded Truck East Site Haul Route Option 2

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AERMOD Results

Emission Source	Source Type	Source Group Unitized Maximum AERMOD Concentration at Maximum Impact Sensitive Receptor ($\mu g/m^3$)		
		Max Impacted Sensitive Receptor Near West Site from West+East Site Construction UTM: 377552, 3774329 (Residential)	Max Impacted Sensitive Receptor Near East Site from West+East Site Construction UTM: 377722, 3774389 (Residential)	Max Impacted School Receptor from West+East Site Construction UTM: 377722, 3774389 (School)
Source Group 1 - WS Equip		13.48	3.65	58.82
Source Group 1 - ES Equip		3.80	48.03	3.83
Off-Road Heavy-Duty Construction Equipment	*Volume*			
Source Group 2 - WS Haul		1.71	2.71	6.39
Source Group 2 - ES Haul		3.90	3.50	7.61
On-Road Haul and Vendor Trucks	*Line-Volume*			
Source Group 3 - WS Haul		7.56	1.95	14.76
Source Group 3 - ES Haul		6.36	13.68	5.35
Idling Haul and Vendor Trucks	*Volume*			

Source: Lakes Environmental, AERMOD View, 2020; ESA 2020

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Maximum Individual Cancer Risk Calculations - Sensitive Receptors (Maximum Impacted Residential Receptor located near the West Site)

Concentrations

		Construction Phase/Equipment	Emissions Group 1 (0.25 years)	2 (2 years)	3 (67.75 years)
Days	WS	Demolition - 2021	2		
CONC		Off-Road Equipment	1.42E-02		
		On-Road Trucks	1.99E-04		
		Idling Trucks	2.80E-06		
Days	WS	Demolition - 2021	7		
CONC		Off-Road Equipment	1.42E-02		
		On-Road Trucks			
		Idling Trucks			
Days	WS	Demolition - 2021			
CONC		Utilities/Trenching - 2021	15		
		Off-Road Equipment	1.82E-02		
		On-Road Trucks			
		Idling Trucks			
Days	WS	Demolition - 2021			
CONC		Utilities/Trenching - 2021			
		Site Preparation - 2021	3		
		Off-Road Equipment	2.22E-02		
		On-Road Trucks			
		Idling Trucks			
Days	WS	Demolition - 2021			
CONC		Site Preparation - 2021	6		
		Off-Road Equipment	1.82E-02		
		On-Road Trucks			
		Idling Trucks			
Days	WS	Demolition - 2021			
CONC		Site Preparation - 2021			
		Grading - 2021	15		
		Off-Road Equipment	4.58E-02		
		On-Road Trucks	5.79E-04		
		Idling Trucks	8.15E-06		
Days	WS	Demolition - 2021			
CONC		Grading - 2021	1		
		Off-Road Equipment	4.18E-02		
		On-Road Trucks	5.79E-04		
		Idling Trucks	8.15E-06		
Days	WS	Grading - 2021	32		
CONC		Off-Road Equipment	2.76E-02		
		On-Road Trucks	5.79E-04		
		Idling Trucks	8.15E-06		
Days	WS	Grading - 2021		161	
CONC		Off-Road Equipment		2.76E-02	
		On-Road Trucks		5.79E-04	
		Idling Trucks		8.15E-06	
Days	WS	Grading - 2021		70	
CONC		Off-Road Equipment		2.76E-02	
		On-Road Trucks			
		Idling Trucks			
Days	WS	Grading - 2022		1	
CONC		Off-Road Equipment		2.75E-02	
		On-Road Trucks			
		Idling Trucks			
Days	WS	Foundations/Concrete Pour - 2022 (Shoring Wall)			
CONC		Foundations/Concrete Pour - 2022 (Cast in Drilled Hole Foundation)		19	
		Off-Road Equipment		2.39E-02	
		On-Road Trucks		2.57E-05	
		Idling Trucks		4.15E-07	
Days	WS	Foundations/Concrete Pour - 2022 (Cast in Drilled Hole Foundation)		22	
CONC		Off-Road Equipment		1.20E-02	
		On-Road Trucks		4.29E-06	
		Idling Trucks		6.92E-08	

Days	WS	Foundations/Concrete Pour - 2022 (Mat Foundation)	1
CONC		Off-Road Equipment	3.72E-03
		On-Road Trucks	1.15E-04
		Idling Trucks	1.86E-06
Days	WS	Foundations/Concrete Pour - 2022 (Column Footings)	4
CONC		Off-Road Equipment	1.20E-02
		On-Road Trucks	4.51E-05
		Idling Trucks	7.26E-07
Days	WS	Foundations - 2022	3
CONC		Off-Road Equipment	1.20E-02
		On-Road Trucks	
		Idling Trucks	
Days	WS	Building Construction - 2022 (Structure Equipment Garage)	
CONC	ES	Site Preparation - 2022	2
		Off-Road Equipment	1.83E-02
		On-Road Trucks	2.74E-04
		Idling Trucks	3.96E-06
Days	WS	Building Construction - 2022 (Structure Equipment Garage)	
CONC	ES	Site Preparation - 2022	10
		Off-Road Equipment	1.83E-02
		On-Road Trucks	1.47E-04
		Idling Trucks	3.20E-06
Days	WS	Building Construction - 2022 (Structure Equipment Garage)	
CONC	ES	Site Preparation - 2022	
		Utilities/Trenching - 2022	
		Grading - 2022	11
		Off-Road Equipment	3.38E-02
		On-Road Trucks	6.17E-04
		Idling Trucks	5.99E-06
Days	WS	Building Construction - 2022 (Structure Equipment Garage)	
CONC	ES	Site Preparation - 2022	
		Grading - 2022	4
		Off-Road Equipment	2.60E-02
		On-Road Trucks	6.17E-04
		Idling Trucks	5.99E-06
Days	WS	Building Construction - 2022 (Structure Equipment Garage)	
CONC	ES	Grading - 2022	25
		Off-Road Equipment	1.71E-02
		On-Road Trucks	6.17E-04
		Idling Trucks	5.99E-06
Days	WS	Building Construction - 2022 (Structure Equipment Tower)	
CONC	ES	Grading - 2022	42
		Off-Road Equipment	2.49E-02
		On-Road Trucks	5.72E-04
		Idling Trucks	5.27E-06
Days	WS	Building Construction - 2022 (Structure Equipment Affordable)	
CONC	ES	Grading - 2022	22
		Off-Road Equipment	2.49E-02
		On-Road Trucks	5.78E-04
		Idling Trucks	5.37E-06
Days	WS	Building Construction - 2022 (Retail)	
CONC	ES	Grading - 2022	2
		Off-Road Equipment	2.49E-02
		On-Road Trucks	5.57E-04
		Idling Trucks	5.02E-06
Days	WS	Building Construction - 2022	
CONC	ES	Grading - 2022	84
		Off-Road Equipment	2.49E-02
		On-Road Trucks	5.27E-04
		Idling Trucks	3.66E-06
Days	WS	Building Construction - 2022	
CONC		Architectural Coating - 2022	
	ES	Grading - 2022	4
		Off-Road Equipment	3.02E-02
		On-Road Trucks	5.27E-04
		Idling Trucks	4.54E-06
Days	WS	Building Construction - 2022	
CONC		Architectural Coating - 2022	
	ES	Grading - 2022	58
		Off-Road Equipment	3.02E-02
		On-Road Trucks	5.69E-05
		Idling Trucks	1.75E-06

Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
	ES	Grading - 2023	8	
		Off-Road Equipment	2.36E-02	
		On-Road Trucks	2.21E-05	
		Idling Trucks	1.15E-06	
Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
	ES	Foundations/Concrete Pour (Shoring Wall) - 2023		
		Foundations/Concrete Pour (Cast In Drilled Hole Foundation) - 2023	16	
		Off-Road Equipment	2.72E-02	
		On-Road Trucks	5.00E-05	
		Idling Trucks	1.36E-06	
Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
	ES	Foundations/Concrete Pour (Cast In Drilled Hole Foundation) - 2023	14	
		Off-Road Equipment	3.75E-02	
		On-Road Trucks	2.68E-05	
		Idling Trucks	1.19E-06	
Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
	ES	Foundations/Concrete Pour (Mat Foundation)- 2023	1	
		Off-Road Equipment	2.35E-02	
		On-Road Trucks	1.42E-04	
		Idling Trucks	2.04E-06	
Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
	ES	Foundations/Concrete Pour (Column Footings) - 2023	4	
		Off-Road Equipment	2.48E-02	
		On-Road Trucks	7.09E-05	
		Idling Trucks	1.51E-06	
Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
	ES	Foundations - 2023	5	
		Off-Road Equipment	2.48E-02	
		On-Road Trucks	2.21E-05	
		Idling Trucks	1.15E-06	
Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
	ES	Building Construction - 2023 (Structure Equipment Garage)	34	24
		Off-Road Equipment	2.73E-02	2.73E-02
		On-Road Trucks	1.75E-04	1.75E-04
		Idling Trucks	2.88E-06	2.88E-06
Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
	ES	Building Construction - 2023 (Structure Equipment Tower)		53
		Off-Road Equipment		2.73E-02
		On-Road Trucks		1.19E-04
		Idling Trucks		2.47E-06
Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
		Paving - 2023		
	ES	Building Construction - 2023 (Structure Equipment Tower)		29
		Off-Road Equipment		4.02E-02
		On-Road Trucks		1.19E-04
		Idling Trucks		2.47E-06
Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
		Paving - 2023		
	ES	Building Construction - 2023 (Structure Equipment Affordable)		18
		Off-Road Equipment		4.02E-02
		On-Road Trucks		1.14E-04
		Idling Trucks		2.43E-06
Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
		Paving - 2023		
	ES	Building Construction - 2023 (Retail)		3
		Off-Road Equipment		4.02E-02
		On-Road Trucks		1.42E-04
		Idling Trucks		2.64E-06

Days	WS	Building Construction - 2023					
CONC		Architectural Coating - 2023					
		Paving - 2023					
	ES	Building Construction - 2023			26		
		Off-Road Equipment			4.02E-02		
		On-Road Trucks			7.27E-05		
		Idling Trucks			2.13E-06		
Days	WS	Building Construction - 2023					
CONC		Architectural Coating - 2023					
	ES	Building Construction - 2023			10		
		Off-Road Equipment			2.73E-02		
		On-Road Trucks			7.27E-05		
		Idling Trucks			2.13E-06		
Days	WS	Building Construction - 2023					
CONC		Architectural Coating - 2023					
	ES	Building Construction - 2023					
		Architectural Coating - 2023			67		
		Off-Road Equipment			2.88E-02		
		On-Road Trucks			7.27E-05		
		Idling Trucks			2.13E-06		
Days	WS	Building Construction - 2024					
CONC		Architectural Coating - 2024					
	ES	Building Construction - 2024					
		Architectural Coating - 2024			27		
		Off-Road Equipment			2.87E-02		
		On-Road Trucks			7.31E-05		
		Idling Trucks			2.02E-06		
Days	WS	Building Construction - 2024					
CONC	ES	Building Construction - 2024					
		Architectural Coating - 2024			37		
		Off-Road Equipment			1.71E-02		
		On-Road Trucks			7.31E-05		
		Idling Trucks			2.02E-06		
Days	ES	Building Construction - 2024					
CONC		Architectural Coating - 2024			102		
		Off-Road Equipment			6.32E-03		
		On-Road Trucks			5.08E-05		
		Idling Trucks			9.24E-07		
Days	ES	Building Construction - 2024					
CONC		Architectural Coating - 2024					
		Paving - 2024			78		
		Off-Road Equipment			5.27E-03		
		On-Road Trucks			5.08E-05		
		Idling Trucks			9.24E-07		
Days	ES	Building Construction - 2024					
CONC		Architectural Coating - 2024			70		
		Off-Road Equipment			6.32E-03		
		On-Road Trucks			5.08E-05		
		Idling Trucks			9.24E-07		
Days	ES	Building Construction - 2025					
CONC		Architectural Coating - 2025			20		
		Off-Road Equipment			6.32E-03		
		On-Road Trucks			5.10E-05		
		Idling Trucks			8.84E-07		
Days	ES	Building Construction - 2025			128		
CONC		Off-Road Equipment			4.82E-03		
		On-Road Trucks			5.10E-05		
		Idling Trucks			8.84E-07	Start Date	End Date
						1/4/2021	4/6/2021
		Work Days in Emissions Group (6 work days/week)	80	626	692	4/7/2021	4/6/2023
		Average Annual Concentration in Emissions Group	2.43E-02	3.06E-02	4.47E-04	4/7/2023	6/22/2025

Source: ESA 2020

Cancer Risk Calculations

Parameter		Emissions Group 1 (0.25 years)	2 (2 years)	3 (67.75 years)	Total
DBR	Daily Breathing Rate (L/kg (body weight) per day)	302	302	302	
A	Inhalation absorption factor (default = 1).	1	1	1	
EF	Exposure Frequency (days/year)	350	350	350	
ED	Exposure Duration (years)	0.25	2	67.75	**70**
EFV	Exposure Factor Value (unitless)	1	1	1	
AT	Averaged Exposure Time Period (days)	25550	25550	25550	
CONC	Toxic Air Contaminant Concentration ($\mu g/m^3$)	2.43E-02	3.06E-02	4.47E-04	
DOSE	*[= CONC × DBR × A × EF × ED × FAH / AT]* (mg/kg-d)	2.51E-02	2.53E-01	1.25E-01	
CPF	Cancer Potency Factor $(mg/kg\text{-}d)^{-1}$				
	Diesel Particulate Matter	1.1	1.1	1.1	
RISK	Cancer Risk (in one million) [= *DOSE × CPF × ASF]*	2.76E-02	2.78E-01	1.38E-01	**0.44**

Note: Risk levels assume maximum construction activity levels for every day of Project construction. Actual risks based on average daily activity levels may be lower.

Sources:

OEHHA, Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments, 2003.

SCAQMD, Risk Assessment Procedures for Rules 1401 and 212, Appendix L, Version 7.0, 2012.

ESA 2020

Hollywood Center
Draft Environmental Impact Report
Construction Health Risk Assessment - MITIGATED

Maximum Individual Cancer Risk Calculations - Sensitive Receptors (Maximum Impacted Residential Receptor located near the East Site)

Concentrations

		Construction Phase/Equipment	Emissions Group 1 (0.25 years)	2 (2 years)	3 (67.75 years)
Days	WS	Demolition - 2021	2		
CONC		Off-Road Equipment	3.85E-03		
		On-Road Trucks	3.15E-04		
		Idling Trucks	7.23E-07		
Days	WS	Demolition - 2021	7		
CONC		Off-Road Equipment	3.85E-03		
		On-Road Trucks			
		Idling Trucks			
Days	WS	Demolition - 2021			
CONC		Utilities/Trenching - 2021	15		
		Off-Road Equipment	4.93E-03		
		On-Road Trucks			
		Idling Trucks			
Days	WS	Demolition - 2021			
CONC		Utilities/Trenching - 2021			
		Site Preparation - 2021	3		
		Off-Road Equipment	6.01E-03		
		On-Road Trucks			
		Idling Trucks			
Days	WS	Demolition - 2021			
CONC		Site Preparation - 2021	6		
		Off-Road Equipment	4.93E-03		
		On-Road Trucks			
		Idling Trucks			
Days	WS	Demolition - 2021			
CONC		Site Preparation - 2021			
		Grading - 2021	15		
		Off-Road Equipment	1.24E-02		
		On-Road Trucks	9.17E-04		
		Idling Trucks	2.10E-06		
Days	WS	Demolition - 2021			
CONC		Grading - 2021	1		
		Off-Road Equipment	1.13E-02		
		On-Road Trucks	9.17E-04		
		Idling Trucks	2.10E-06		
Days	WS	Grading - 2021	32		
CONC		Off-Road Equipment	7.46E-03		
		On-Road Trucks	9.17E-04		
		Idling Trucks	2.10E-06		
Days	WS	Grading - 2021		161	
CONC		Off-Road Equipment		7.46E-03	
		On-Road Trucks		9.17E-04	
		Idling Trucks		2.10E-06	
Days	WS	Grading - 2021		70	
CONC		Off-Road Equipment		7.46E-03	
		On-Road Trucks			
		Idling Trucks			
Days	WS	Grading - 2022		1	
CONC		Off-Road Equipment		7.45E-03	
		On-Road Trucks			
		Idling Trucks			
Days	WS	Foundations/Concrete Pour - 2022 (Shoring Wall)			
CONC		Foundations/Concrete Pour - 2022 (Cast in Drilled Hole Foundation)		19	
		Off-Road Equipment		6.48E-03	
		On-Road Trucks		4.08E-05	
		Idling Trucks		1.07E-07	
Days	WS	Foundations/Concrete Pour - 2022 (Cast in Drilled Hole Foundation)		22	
CONC		Off-Road Equipment		3.24E-03	
		On-Road Trucks		6.80E-06	
		Idling Trucks		1.78E-08	
Days	WS	Foundations/Concrete Pour - 2022 (Mat Foundation)		1	
CONC		Off-Road Equipment		1.01E-03	
		On-Road Trucks		1.83E-04	
		Idling Trucks		4.79E-07	
Days	WS	Foundations/Concrete Pour - 2022 (Column Footings)		4	
CONC		Off-Road Equipment		3.24E-03	
		On-Road Trucks		7.14E-05	
		Idling Trucks		1.87E-07	
Days	WS	Foundations - 2022		3	
CONC		Off-Road Equipment		3.24E-03	
		On-Road Trucks			
		Idling Trucks			
Days	WS	Building Construction - 2022 (Structure Equipment Garage)			
CONC	ES	Site Preparation - 2022		2	
		Off-Road Equipment		1.89E-02	
		On-Road Trucks		3.47E-04	
		Idling Trucks		2.45E-06	

Days	WS	Building Construction - 2022 (Structure Equipment Garage)	
CONC	ES	Site Preparation - 2022	10
		Off-Road Equipment	1.89E-02
		On-Road Trucks	2.33E-04
		Idling Trucks	8.25E-07
Days	WS	Building Construction - 2022 (Structure Equipment Garage)	
CONC	ES	Site Preparation - 2022	
		Utilities/Trenching - 2022	
		Grading - 2022	11
		Off-Road Equipment	2.15E-01
		On-Road Trucks	6.55E-04
		Idling Trucks	6.83E-06
Days	WS	Building Construction - 2022 (Structure Equipment Garage)	
CONC	ES	Site Preparation - 2022	
		Grading - 2022	4
		Off-Road Equipment	1.17E-01
		On-Road Trucks	6.55E-04
		Idling Trucks	6.83E-06
Days	WS	Building Construction - 2022 (Structure Equipment Garage)	
CONC	ES	Grading - 2022	25
		Off-Road Equipment	4.64E-03
		On-Road Trucks	6.55E-04
		Idling Trucks	6.83E-06
Days	WS	Building Construction - 2022 (Structure Equipment Tower)	
CONC	ES	Grading - 2022	42
		Off-Road Equipment	1.03E-01
		On-Road Trucks	5.83E-04
		Idling Trucks	6.65E-06
Days	WS	Building Construction - 2022 (Structure Equipment Affordable)	
CONC	ES	Grading - 2022	22
		Off-Road Equipment	1.03E-01
		On-Road Trucks	5.93E-04
		Idling Trucks	6.67E-06
Days	WS	Building Construction - 2022 (Retail)	
CONC	ES	Grading - 2022	2
		Off-Road Equipment	1.03E-01
		On-Road Trucks	5.59E-04
		Idling Trucks	6.58E-06
Days	WS	Building Construction - 2022	
CONC	ES	Grading - 2022	84
		Off-Road Equipment	1.03E-01
		On-Road Trucks	5.12E-04
		Idling Trucks	6.23E-06
Days	WS	Building Construction - 2022	
CONC		Architectural Coating - 2022	
	ES	Grading - 2022	4
		Off-Road Equipment	1.04E-01
		On-Road Trucks	5.12E-04
		Idling Trucks	6.46E-06
Days	WS	Building Construction - 2022	
CONC		Architectural Coating - 2022	
	ES	Grading - 2022	58
		Off-Road Equipment	1.04E-01
		On-Road Trucks	9.02E-05
		Idling Trucks	4.50E-07
Days	WS	Building Construction - 2023	
CONC		Architectural Coating - 2023	
	ES	Grading - 2023	8
		Off-Road Equipment	2.02E-02
		On-Road Trucks	3.51E-05
		Idling Trucks	2.98E-07
Days	WS	Building Construction - 2023	
CONC		Architectural Coating - 2023	
	ES	Foundations/Concrete Pour (Shoring Wall) - 2023	
		Foundations/Concrete Pour (Cast In Drilled Hole Foundation) - 2023	16
		Off-Road Equipment	6.51E-02
		On-Road Trucks	6.01E-05
		Idling Trucks	7.39E-07
Days	WS	Building Construction - 2023	
CONC		Architectural Coating - 2023	
	ES	Foundations/Concrete Pour (Cast In Drilled Hole Foundation) - 2023	14
		Off-Road Equipment	1.96E-01
		On-Road Trucks	3.93E-05
		Idling Trucks	3.71E-07
Days	WS	Building Construction - 2023	
CONC		Architectural Coating - 2023	
	ES	Foundations/Concrete Pour (Mat Foundation)- 2023	1
		Off-Road Equipment	1.93E-02
		On-Road Trucks	1.43E-04
		Idling Trucks	2.20E-06
Days	WS	Building Construction - 2023	
CONC		Architectural Coating - 2023	
	ES	Foundations/Concrete Pour (Column Footings) - 2023	4
		Off-Road Equipment	3.56E-02
		On-Road Trucks	7.89E-05
		Idling Trucks	1.07E-06

Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
	ES	Foundations - 2023	5	
		Off-Road Equipment	3.56E-02	
		On-Road Trucks	3.51E-05	
		Idling Trucks	2.98E-07	
Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
	ES	Building Construction - 2023 (Structure Equipment Garage)	34	24
		Off-Road Equipment	6.71E-02	6.71E-02
		On-Road Trucks	1.72E-04	1.72E-04
		Idling Trucks	4.01E-06	4.01E-06
Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
	ES	Building Construction - 2023 (Structure Equipment Tower)		53
		Off-Road Equipment		6.71E-02
		On-Road Trucks		1.22E-04
		Idling Trucks		3.12E-06
Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
		Paving - 2023		
	ES	Building Construction - 2023 (Structure Equipment Tower)		29
		Off-Road Equipment		7.06E-02
		On-Road Trucks		1.22E-04
		Idling Trucks		3.12E-06
Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
		Paving - 2023		
	ES	Building Construction - 2023 (Structure Equipment Affordable)		18
		Off-Road Equipment		7.06E-02
		On-Road Trucks		1.18E-04
		Idling Trucks		3.05E-06
Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
		Paving - 2023		
	ES	Building Construction - 2023 (Retail)		3
		Off-Road Equipment		7.06E-02
		On-Road Trucks		1.43E-04
		Idling Trucks		3.49E-06
Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
		Paving - 2023		
	ES	Building Construction - 2023		26
		Off-Road Equipment		7.06E-02
		On-Road Trucks		8.04E-05
		Idling Trucks		2.39E-06
Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
	ES	Building Construction - 2023		10
		Off-Road Equipment		6.71E-02
		On-Road Trucks		8.04E-05
		Idling Trucks		2.39E-06
Days	WS	Building Construction - 2023		
CONC		Architectural Coating - 2023		
	ES	Building Construction - 2023		
		Architectural Coating - 2023		67
		Off-Road Equipment		8.62E-02
		On-Road Trucks		8.04E-05
		Idling Trucks		2.39E-06
Days	WS	Building Construction - 2024		
CONC		Architectural Coating - 2024		
	ES	Building Construction - 2024		
		Architectural Coating - 2024		27
		Off-Road Equipment		8.60E-02
		On-Road Trucks		8.09E-05
		Idling Trucks		2.27E-06
Days	WS	Building Construction - 2024		
CONC	ES	Building Construction - 2024		
		Architectural Coating - 2024		37
		Off-Road Equipment		4.63E-03
		On-Road Trucks		8.09E-05
		Idling Trucks		2.27E-06
Days	ES	Building Construction - 2024		
CONC		Architectural Coating - 2024		102
		Off-Road Equipment		7.99E-02
		On-Road Trucks		4.56E-05
		Idling Trucks		1.99E-06
Days	ES	Building Construction - 2024		
CONC		Architectural Coating - 2024		
		Paving - 2024		78
		Off-Road Equipment		6.66E-02
		On-Road Trucks		4.56E-05
		Idling Trucks		1.99E-06
Days	ES	Building Construction - 2024		
CONC		Architectural Coating - 2024		70
		Off-Road Equipment		7.99E-02
		On-Road Trucks		4.56E-05
		Idling Trucks		1.99E-06

Days	ES	Building Construction - 2025					
CONC		Architectural Coating - 2025			20		
		Off-Road Equipment			7.99E-02		
		On-Road Trucks			4.58E-05		
		Idling Trucks			1.90E-06		
Days	ES	Building Construction - 2025			128		
CONC		Off-Road Equipment			6.09E-02		
		On-Road Trucks			4.58E-05		
		Idling Trucks			1.90E-06	Start Date	End Date
						1/4/2021	4/6/2021
		Work Days in Emissions Group (6 work days/week)	80	626	692	4/7/2021	4/6/2023
		Average Annual Concentration in Emissions Group	6.98E-03	6.28E-02	1.94E-03	4/7/2023	6/22/2025

Source: ESA 2020

Cancer Risk Calculations

		Parameter	Emissions Group 1 (0.25 years)	2 (2 years)	3 (67.75 years)	Total
	DBR	Daily Breathing Rate (L/kg (body weight) per day)	302	302	302	
	A	Inhalation absorption factor (default = 1).	1	1	1	
	EF	Exposure Frequency (days/year)	350	350	350	
	ED	Exposure Duration (years)	0.25	2	67.75	**70**
	EFV	Exposure Factor Value (unitless)	1	1	1	
	AT	Averaged Exposure Time Period (days)	25550	25550	25550	
	CONC	Toxic Air Contaminant Concentration (µg/m^3)	6.98E-03	6.28E-02	1.94E-03	
	DOSE	*[= CONC × DBR × A × EF × ED × FAH / AT]* (mg/kg-d)	7.22E-03	5.20E-01	5.42E-01	
	CPF	Cancer Potency Factor (mg/kg-d)$^{-1}$				
		Diesel Particulate Matter	1.1	1.1	1.1	
	RISK	Cancer Risk (in one million) [= *DOSE × CPF × ASF]*	7.94E-03	5.72E-01	5.97E-01	**1.18**

Note: Risk levels assume maximum construction activity levels for every day of Project construction. Actual risks based on average daily activity levels may be lower.

Sources:

OEHHA, Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments, 2003.

SCAQMD, Risk Assessment Procedures for Rules 1401 and 212, Appendix L, Version 7.0, 2012.

ESA, 2020

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Maximum Individual Cancer Risk Calculations - Sensitive School Receptor

Concentrations

			Construction Phase/Equipment	Emissions Group 1 (0.25 years)	Emissions Group 2 (2 years)
1	Days	WS	Demolition - 2021	2	
	CONC		Off-Road Equipment	6.21E-02	
			On-Road Trucks	7.43E-04	
			Idling Trucks	5.47E-06	
2	Days	WS	Demolition - 2021	7	
	CONC		Off-Road Equipment	6.21E-02	
			On-Road Trucks		
			Idling Trucks		
3	Days	WS	Demolition - 2021		
	CONC		Utilities/Trenching - 2021	15	
			Off-Road Equipment	7.94E-02	
			On-Road Trucks		
			Idling Trucks		
4	Days	WS	Demolition - 2021		
	CONC		Utilities/Trenching - 2021		
			Site Preparation - 2021	3	
			Off-Road Equipment	9.68E-02	
			On-Road Trucks		
			Idling Trucks		
5	Days	WS	Demolition - 2021		
	CONC		Site Preparation - 2021	6	
			Off-Road Equipment	7.95E-02	
			On-Road Trucks		
			Idling Trucks		
6	Days	WS	Demolition - 2021		
	CONC		Site Preparation - 2021		
			Grading - 2021	15	
			Off-Road Equipment	2.00E-01	
			On-Road Trucks	2.16E-03	
			Idling Trucks	1.59E-05	
7	Days	WS	Demolition - 2021		
	CONC		Grading - 2021	1	
			Off-Road Equipment	1.82E-01	
			On-Road Trucks	2.16E-03	
			Idling Trucks	1.59E-05	
8	Days	WS	Grading - 2021	32	
	CONC		Off-Road Equipment	1.20E-01	
			On-Road Trucks	2.16E-03	
			Idling Trucks	1.59E-05	
8	Days	WS	Grading - 2021		161
	CONC		Off-Road Equipment		1.20E-01
			On-Road Trucks		2.16E-03
			Idling Trucks		1.59E-05
9	Days	WS	Grading - 2021		70
	CONC		Off-Road Equipment		1.20E-01
			On-Road Trucks		
			Idling Trucks		
10	Days	WS	Grading - 2022		1
	CONC		Off-Road Equipment		1.20E-01
			On-Road Trucks		
			Idling Trucks		
11	Days	WS	Foundations/Concrete Pour - 2022 (Shoring Wall)		
	CONC		Foundations/Concrete Pour - 2022 (Cast in Drilled Hole Foundation)		19
			Off-Road Equipment		1.04E-01
			On-Road Trucks		9.62E-05
			Idling Trucks		8.10E-07
12	Days	WS	Foundations/Concrete Pour - 2022 (Cast in Drilled Hole Foundation)		22
	CONC		Off-Road Equipment		5.22E-02
			On-Road Trucks		1.60E-05
			Idling Trucks		1.35E-07

13	Days	WS	Foundations/Concrete Pour - 2022 (Mat Foundation)	1
	CONC		Off-Road Equipment	1.63E-02
			On-Road Trucks	4.31E-04
			Idling Trucks	3.63E-06
14	Days	WS	Foundations/Concrete Pour - 2022 (Column Footings)	4
	CONC		Off-Road Equipment	5.22E-02
			On-Road Trucks	1.68E-04
			Idling Trucks	1.42E-06
15	Days	WS	Foundations - 2022	3
	CONC		Off-Road Equipment	5.22E-02
			On-Road Trucks	
			Idling Trucks	
16	Days	WS	Building Construction - 2022 (Structure Equipment Garage)	
	CONC	ES	Site Preparation - 2022	2
			Off-Road Equipment	7.59E-02
			On-Road Trucks	7.98E-04
			Idling Trucks	6.88E-06
17	Days	WS	Building Construction - 2022 (Structure Equipment Garage)	
	CONC	ES	Site Preparation - 2022	10
			Off-Road Equipment	7.59E-02
			On-Road Trucks	5.49E-04
			Idling Trucks	6.25E-06
18	Days	WS	Building Construction - 2022 (Structure Equipment Garage)	
	CONC	ES	Site Preparation - 2022	
			Utilities/Trenching - 2022	
			Grading - 2022	11
			Off-Road Equipment	9.15E-02
			On-Road Trucks	1.47E-03
			Idling Trucks	8.59E-06
19	Days	WS	Building Construction - 2022 (Structure Equipment Garage)	
	CONC	ES	Site Preparation - 2022	
			Grading - 2022	4
			Off-Road Equipment	8.37E-02
			On-Road Trucks	1.47E-03
			Idling Trucks	8.59E-06
20	Days	WS	Building Construction - 2022 (Structure Equipment Garage)	
	CONC	ES	Grading - 2022	25
			Off-Road Equipment	7.48E-02
			On-Road Trucks	1.47E-03
			Idling Trucks	8.59E-06
21	Days	WS	Building Construction - 2022 (Structure Equipment Tower)	
	CONC	ES	Grading - 2022	42
			Off-Road Equipment	8.26E-02
			On-Road Trucks	1.30E-03
			Idling Trucks	7.18E-06
22	Days	WS	Building Construction - 2022 (Structure Equipment Affordable)	
	CONC	ES	Grading - 2022	22
			Off-Road Equipment	8.26E-02
			On-Road Trucks	1.32E-03
			Idling Trucks	7.38E-06
23	Days	WS	Building Construction - 2022 (Retail)	
	CONC	ES	Grading - 2022	2
			Off-Road Equipment	8.26E-02
			On-Road Trucks	1.24E-03
			Idling Trucks	6.70E-06
24	Days	WS	Building Construction - 2022	
	CONC	ES	Grading - 2022	84
			Off-Road Equipment	8.26E-02
			On-Road Trucks	1.13E-03
			Idling Trucks	4.04E-06
25	Days	WS	Building Construction - 2022	
	CONC		Architectural Coating - 2022	
		ES	Grading - 2022	4
			Off-Road Equipment	1.06E-01
			On-Road Trucks	1.13E-03
			Idling Trucks	5.76E-06

26	Days	WS	Building Construction - 2022	
	CONC		Architectural Coating - 2022	
		ES	Grading - 2022	58
			Off-Road Equipment	1.06E-01
			On-Road Trucks	2.13E-04
			Idling Trucks	3.41E-06
27	Days	WS	Building Construction - 2023	
	CONC		Architectural Coating - 2023	
		ES	Grading - 2023	8
			Off-Road Equipment	9.92E-02
			On-Road Trucks	8.28E-05
			Idling Trucks	2.25E-06
28	Days	WS	Building Construction - 2023	
	CONC		Architectural Coating - 2023	
		ES	Foundations/Concrete Pour (Shoring Wall) - 2023	
			Foundations/Concrete Pour (Cast In Drilled Hole Foundation) - 2023	16
			Off-Road Equipment	1.03E-01
			On-Road Trucks	1.37E-04
			Idling Trucks	2.43E-06
29	Days	WS	Building Construction - 2023	
	CONC		Architectural Coating - 2023	
		ES	Foundations/Concrete Pour (Cast In Drilled Hole Foundation) - 2023	14
			Off-Road Equipment	1.13E-01
			On-Road Trucks	9.18E-05
			Idling Trucks	2.28E-06
30	Days	WS	Building Construction - 2023	
	CONC		Architectural Coating - 2023	
		ES	Foundations/Concrete Pour (Mat Foundation)- 2023	1
			Off-Road Equipment	9.92E-02
			On-Road Trucks	3.17E-04
			Idling Trucks	3.00E-06
31	Days	WS	Building Construction - 2023	
	CONC		Architectural Coating - 2023	
		ES	Foundations/Concrete Pour (Column Footings) - 2023	4
			Off-Road Equipment	1.00E-01
			On-Road Trucks	1.78E-04
			Idling Trucks	2.56E-06
32	Days	WS	Building Construction - 2023	
	CONC		Architectural Coating - 2023	
		ES	Foundations - 2023	5
			Off-Road Equipment	1.00E-01
			On-Road Trucks	8.28E-05
			Idling Trucks	2.25E-06
33	Days	WS	Building Construction - 2023	
	CONC		Architectural Coating - 2023	
		ES	Building Construction - 2023 (Structure Equipment Garage)	34
			Off-Road Equipment	1.03E-01
			On-Road Trucks	3.81E-04
			Idling Trucks	3.70E-06
34	Days	WS	Building Construction - 2023	
	CONC		Architectural Coating - 2023	
		ES	Building Construction - 2023 (Structure Equipment Tower)	
			Off-Road Equipment	
			On-Road Trucks	
			Idling Trucks	
35	Days	WS	Building Construction - 2023	
	CONC		Architectural Coating - 2023	
			Paving - 2023	
		ES	Building Construction - 2023 (Structure Equipment Tower)	
			Off-Road Equipment	
			On-Road Trucks	
			Idling Trucks	
36	Days	WS	Building Construction - 2023	
	CONC		Architectural Coating - 2023	
			Paving - 2023	
		ES	Building Construction - 2023 (Structure Equipment Affordable)	
			Off-Road Equipment	
			On-Road Trucks	
			Idling Trucks	

37	Days	WS	Building Construction - 2023				
	CONC		Architectural Coating - 2023				
			Paving - 2023				
		ES	Building Construction - 2023 (Retail)				
			Off-Road Equipment				
			On-Road Trucks				
			Idling Trucks				
38	Days	WS	Building Construction - 2023				
	CONC		Architectural Coating - 2023				
			Paving - 2023				
		ES	Building Construction - 2023				
			Off-Road Equipment				
			On-Road Trucks				
			Idling Trucks				
39	Days	WS	Building Construction - 2023				
	CONC		Architectural Coating - 2023				
		ES	Building Construction - 2023				
			Off-Road Equipment				
			On-Road Trucks				
			Idling Trucks				
40	Days	WS	Building Construction - 2023				
	CONC		Architectural Coating - 2023				
		ES	Building Construction - 2023				
			Architectural Coating - 2023				
			Off-Road Equipment				
			On-Road Trucks				
			Idling Trucks				
41	Days	WS	Building Construction - 2024				
	CONC		Architectural Coating - 2024				
		ES	Building Construction - 2024				
			Architectural Coating - 2024				
			Off-Road Equipment				
			On-Road Trucks				
			Idling Trucks				
42	Days	WS	Building Construction - 2024				
	CONC	ES	Building Construction - 2024				
			Architectural Coating - 2024				
			Off-Road Equipment				
			On-Road Trucks				
			Idling Trucks				
43	Days	ES	Building Construction - 2024				
	CONC		Architectural Coating - 2024				
			Off-Road Equipment				
			On-Road Trucks				
			Idling Trucks				
44	Days	ES	Building Construction - 2024				
	CONC		Architectural Coating - 2024				
			Paving - 2024				
			Off-Road Equipment				
			On-Road Trucks				
			Idling Trucks				
45	Days	ES	Building Construction - 2024				
	CONC		Architectural Coating - 2024				
			Off-Road Equipment				
			On-Road Trucks				
			Idling Trucks				
46	Days	ES	Building Construction - 2025				
	CONC		Architectural Coating - 2025				
			Off-Road Equipment				
			On-Road Trucks				
			Idling Trucks				
47	Days	ES	Building Construction - 2025				
	CONC		Off-Road Equipment				
			On-Road Trucks				
			Idling Trucks				
						Start Date	End Date
						1/4/2021	4/6/2021
			Work Days in Emissions Group (6 work days/week)	80	626	4/7/2021	4/6/2023
			Average Annual Concentration in Emissions Group	1.06E-01	1.18E-01	4/7/2023	6/22/2025

Source: ESA 2020

Cancer Risk Calculations

Parameter		Emissions Group 1 (0.25 years)	Emissions Group 2 (2 years)	Total
DBR	Daily Breathing Rate (L/kg (body weight) per day)	581	581	
A	Inhalation absorption factor (default = 1).	1	1	
EF	Exposure Frequency (days/year)	245	245	
ED	Exposure Duration (years)	0.25	2	**2.25**
EFV	Exposure Factor Value (unitless)	1	1	
AT	Averaged Exposure Time Period (days)	25550	25550	
CONC	Toxic Air Contaminant Concentration ($\mu g/m^3$)	1.06E-01	1.18E-01	
DOSE	*[= CONC × DBR × A × EF × ED × FAH / AT]* (mg/kg-d)	1.47E-01	1.32E+00	
CPF	Cancer Potency Factor $(mg/kg\text{-}d)^{-1}$			
	Diesel Particulate Matter	1.1	1.1	
RISK	Cancer Risk (in one million) [= *DOSE × CPF × ASF]*	1.62E-01	1.45E+00	**1.61**

Notes: Risk levels assume maximum construction activity levels for every day of Project construction. Actual risks based on average daily activity levels may be lower. While AMDA is not a pre-school, elementary, middle, or high school, the AMDA admissions policy indicates they accept applications from juniors and seniors in high school. Given the location of the AMDA Vine Building in proximity to the West Site and East Site, the AMDA Vine Building is included as a sensitive receptor for the purposes of the air quality analysis for this Project.

Sources:

OEHHA, Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments, 2003.

SCAQMD, Risk Assessment Procedures for Rules 1401 and 212, Appendix L, Version 7.0, 2012.

ESA, 2020

Maximum Non-cancer Chronic Hazards / Toxicological Endpoints*

Receptor Group	Pollutant	CREL[1]	CONC	WFrac	$CONC_{WF}$	HI	ALIM	BN	CVS	DEV	ENDC	EYE	HEM	IMMUN	KIDN	NS	REPRO	RESP	SK	Threshold	Over?
MEI Sensitive - Resident Near W	DPM	5.00E+00	3.00E-02	1.00E+00	3.00E-02	**6.01E-03**	-	-	-	-	-	-	-	-	-	-	-	6.01E-03	-	1.0	NO
MEI Sensitive - Resident Near Ea	DPM	5.00E+00	9.31E-02	1.00E+00	9.31E-02	**1.86E-02**	-	-	-	-	-	-	-	-	-	-	-	1.86E-02	-	1.0	NO
MEI - School	DPM	5.00E+00	1.15E-01	1.00E+00	1.15E-01	**2.29E-02**	-	-	-	-	-	-	-	-	-	-	-	2.29E-02	-	1.0	NO

Sources:

1. California Air Resources Board, "Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values" and "OEHHA/ARB Approved Chronic Reference Exposure Levels and Target Organs," http://www.arb.ca.gov/toxics/healthval/healthval.htm.
   Tables last updated: May 8, 2018. Downloaded June 1, 2018.

Where:

$CONC_{WF}$	Pollutant Concentration ($\mu g/m^3$) multiplied by the weight fraction
CREL	Chronic Reference Exposure Level
HI	Hazard Index
MEI	Maximally Exposed Individual
WFrac	Weight fraction of speciated component

* Key to Toxicological Endpoints

ALIM	Alimentary Tract	EYE	Eye	NS	Nervous System
BN	Bone	HEM	Hematologic System	REPRO	Reproductive System
CVS	Cardiovascular System	IMMUN	Immune System	RESP	Respiratory System
DEV	Developmental System	KIDN	Kidney	SK	Skin
ENDC	Endocrine System				