

APPENDIX B – AIR QUALITY ASSESSMENT

Air Quality Assessment
Moreno Valley Mall Redevelopment Project
City of Moreno Valley, California



Expect More. Experience Better.

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April 2022

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APPENDICES

Appendix A: Air Quality Modeling Data

LIST OF ABBREVIATED TERMS

AQMP	air quality management plan
AB	Assembly Bill
ADT	average daily traffic
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CAAQS	California Ambient Air Quality Standards
CCAA	California Clean Air Act
CalEEMod	California Emissions Estimator Model
CEQA	California Environmental Quality Act
CO	carbon monoxide
cy	cubic yards
DPM	diesel particulate matter
EPA	Environmental Protection Agency
FCAA	Federal Clean Air Act
H ₂ S	hydrogen sulfide
Pb	lead
LST	local significance threshold
µg/m ³	micrograms per cubic meter
mg/m ³	milligrams per cubic meter
NAAQS	National Ambient Air Quality Standards
NO ₂	nitrogen dioxide
NO _x	nitrogen oxide
O ₃	ozone
PM ₁₀	particulate matter less than 10 microns in diameter
PM _{2.5}	particulate matter less than 2.5 microns in diameter
ppm	parts per million
ROG	reactive organic gases
RTP/SCS	Regional Transportation Plan/Sustainable Communities Strategy
SB	Senate Bill
SRA	source receptor area
SCAB	South Coast Air Basin
SCAQMD	South Coast Air Quality Management District
SCAG	Southern California Association of Governments
sf	square foot
SO ₄₋₂	sulfates
SO ₂	sulfur dioxide
TAC	toxic air contaminant
C ₂ H ₃ Cl	vinyl chloride
VOC	volatile organic compound

1 INTRODUCTION

This report documents the results of an Air Quality Assessment completed for the Moreno Valley Mall Redevelopment Project (“Project” or “Proposed Project”). The purpose of this Air Quality Assessment is to evaluate the potential construction and operational emissions associated with the Project and determine the level of impact the Project would have on the environment.

1.1 Project Location and Setting

The Project site is located within the northwestern portion of the City within the County of Riverside (County) at 22500 Town Circle, Moreno Valley. The approximately 58.6-acre site is located south of I-60, north of Towngate Boulevard, and west of Frederick Street. Town Circle is a loop road that borders the site. The following Assessor Parcel Numbers (APNs) are associated with the Project site: 291-110-032, 291-110-033, 291-110-034, and 291-110-035. Regional access to the site is provided via Frederick Street and Day Street from SR-60 and Eucalyptus Avenue from I-215, (see [Exhibit 1: Regional Location Map](#) and [Exhibit 2: Project Vicinity Map](#)).

1.2 Project Description

The Project proposes revitalization and redevelopment of a portion of the existing Moreno Valley Mall (excluding the existing JC Penny and Macy’s parcels). The intent of the proposed Project is to plan and integrate multiple uses across the site that enable crossover of professional, shopping, and resident populations. To this end, the Project site would be divided into 14 parcels. Each use is intended to grow density and increase value and attraction of the original commercial Mall. Key features of the concept plan include the following:

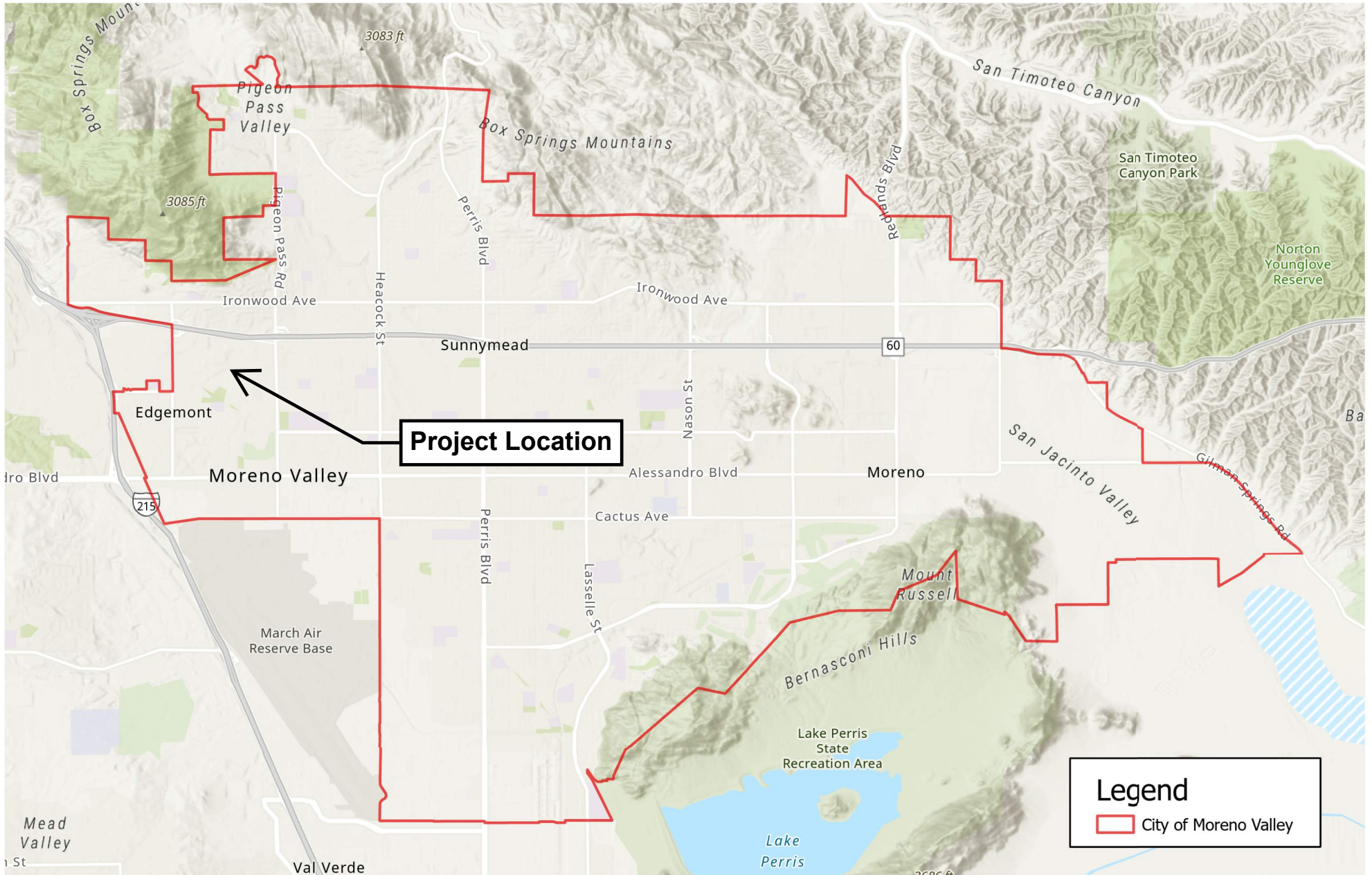
- Residential North West: There is approximately 250 multi-family units proposed amongst two residential buildings in the northwest corner of the site, adjacent to the Theater and existing two-level parking structure.
- Residential South East: There is approximately 1,500 multi-family units proposed in the south east portion of the site. The three residential buildings would be proposed in three phases and interconnected by pedestrian scaled streetscapes. To this end, the existing Mall Ring Road is proposed to be narrowed between new residential and existing residential uses outside of the Project site to the south. A commons greenway is proposed to connect this residential district to the existing Mall’s southeast entry.
- Hospitality: There are two hotels proposed in the North East parking field of the site. The two hotels would operate jointly out of one building. One hotel would have a capacity of 120 keys, and the second hotel would have a capacity of 150 keys with an event/conference space.
- New Parking Structure: The existing/vacant ‘Gottshalks’ anchor building is proposed to maintain the majority of its commercial/retail square footage and a wrap parking structure shall be added. The new parking will serve Mall customers, and Hospitality/Event parking from both upper-level connections and lower parking field access to the west side of the structure.
- Entertainment: The north lower-level parking field will be re-planned to accommodate an exterior entry/exit to the Theater, and a new outdoor dining patio for multiple tenants.

- **Transit Center:** The Transit Center is proposed to be relocated to the northern portion of the Project site on Town Circle to serve and connect various user populations which may include resident, workforce, student, and shopping/business markets.
- **Food Market:** The existing Mall “Food Court” is planned to be redeveloped into a new interior and exterior “pavilion” Food Market.
- **Existing Mall:** This existing Mall interior is intended to be re-modeled to match the new level of development, variety and pedestrian connections across the entire site. Various entries, exterior facades, interior bridges, common restrooms, and re-planned tenant square footage will all be part of the vision that ties the Specific Plan Amendment together.

Exhibit 3: Conceptual Site Plan, provide the overall vision for the Project and the development of the anticipated residential, hospitality, office, and commercial uses.

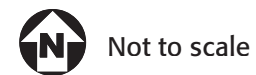
Construction/Operation

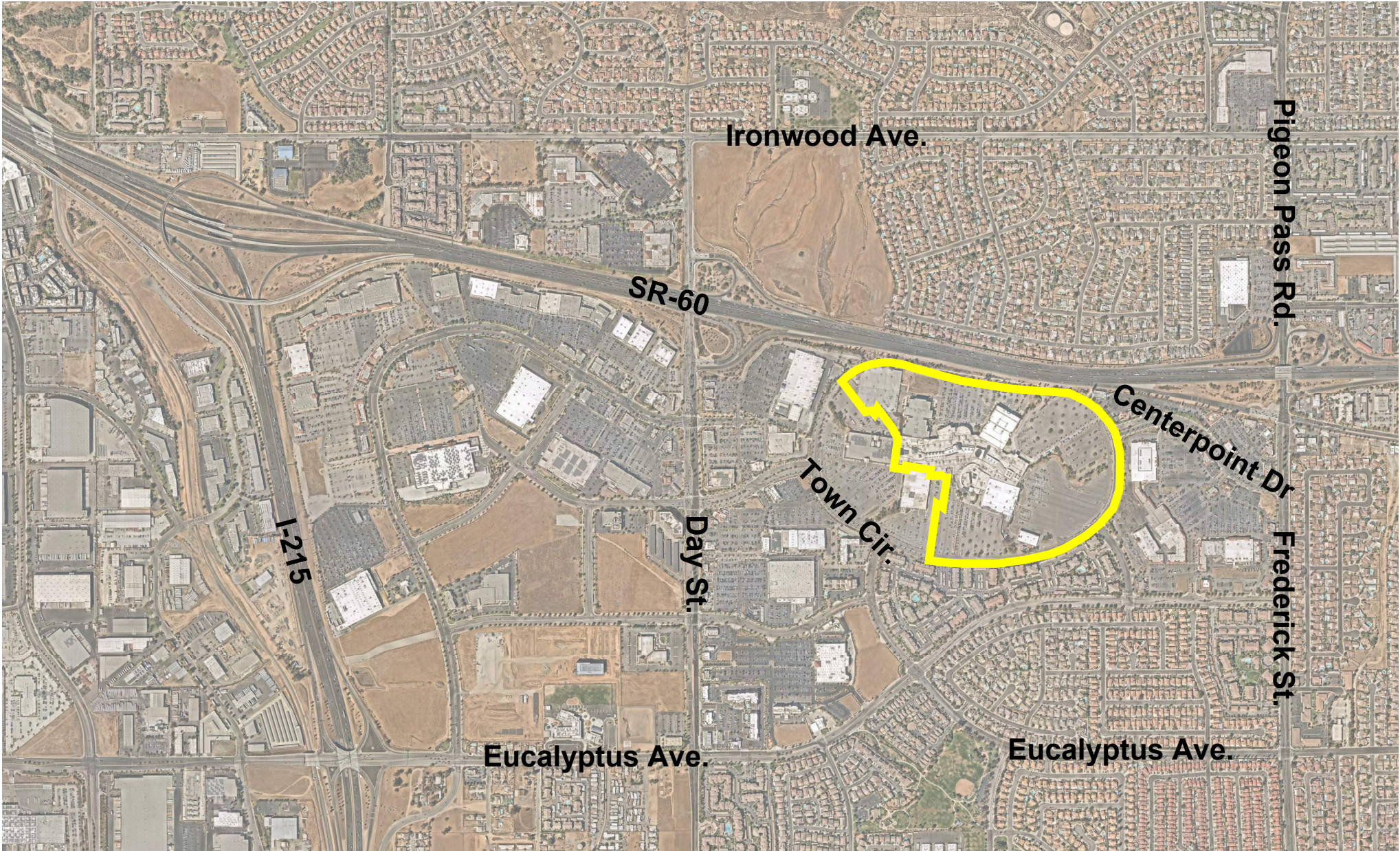
Construction is expected to be initiated in early 2023 and completed by mid-2026. Hours of operation would be specified in the Specific Plan and EIR, generally anticipated to be 24 hours per day, 7 days per week for the hotel and residential uses, late night for the Theater and dining area (similar to current theater operations), with typical retail store hours for the interior mall and Food Market.



Source: ESRI, 2022

EXHIBIT 1: Regional Location Map
Moreno Valley Mall Redevelopment Project






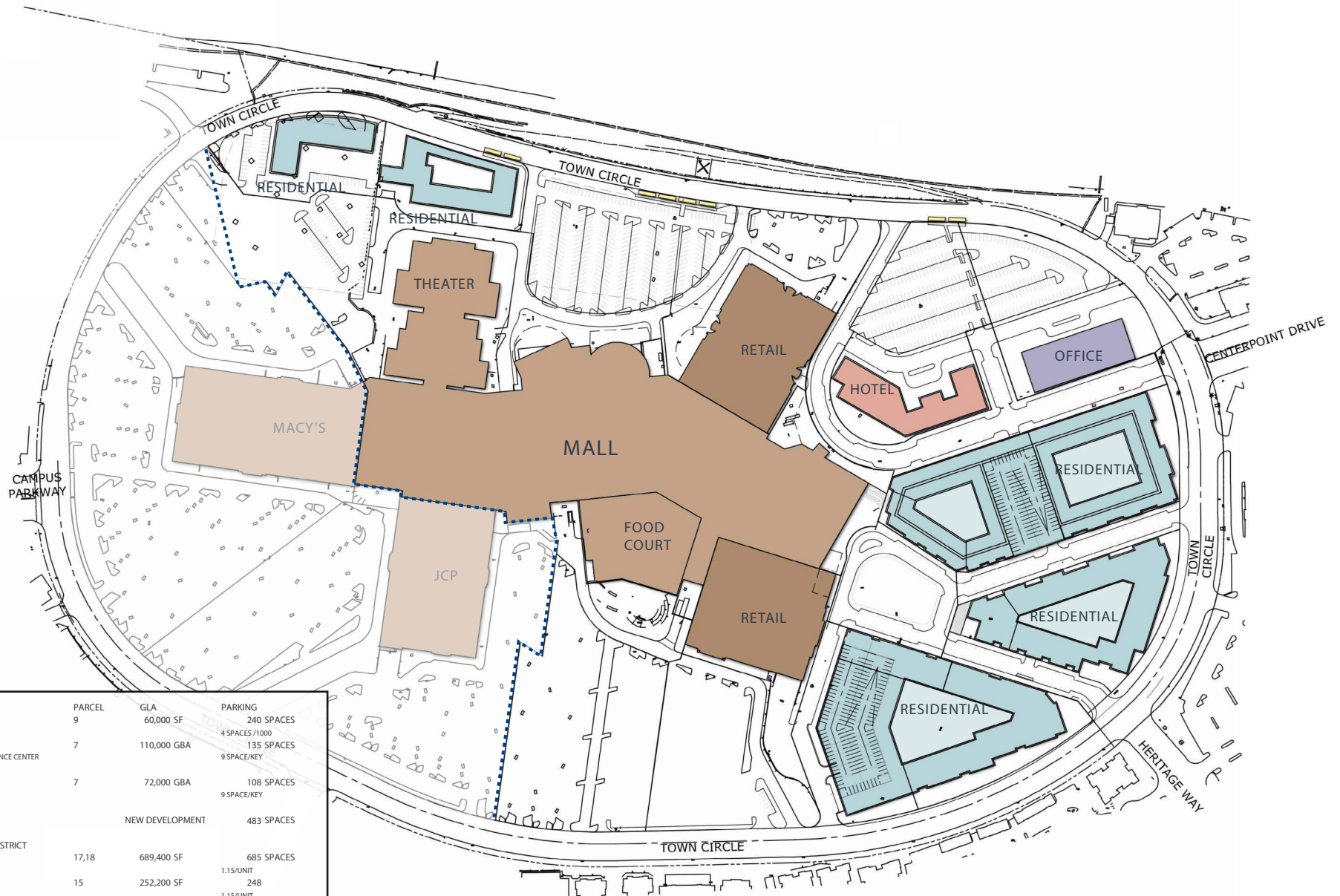
Map source: Nearmap, September 18, 2021

 Project Site

EXHIBIT 2: Project Vicinity Map
Moreno Valley Mall Redevelopment Project

 Not to scale

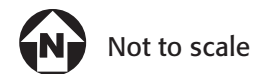
Kimley»Horn



NEW DEVELOPMENT			
OFFICE	9	60,000 SF	240 SPACES
3 LEVELS			4 SPACES/1000
HOTEL A - 150 KEYS	7	110,000 GBA	135 SPACES
RESTAURANT & CONFERENCE CENTER			9 SPACE/KEY
5 LEVELS			
HOTEL B - 120 KEYS	7	72,000 GBA	108 SPACES
3 LEVELS			9 SPACE/KEY
		NEW DEVELOPMENT	483 SPACES
NEW RESIDENTIAL DISTRICT			
RESIDENTIAL	17,18	689,400 SF	685 SPACES
7 LEVELS/596 UNITS			1.15/UNIT
RESIDENTIAL	15	252,200 SF	248
5 LEVELS/216 UNITS			1.15/UNIT
RESIDENTIAL	11,12	646,100 SF	650
7 LEVELS/565 UNITS			1.15/UNIT
RESIDENTIAL	1,2	280,000 SF	288
4 LEVELS/250 UNITS			1.15/UNIT
		RESIDENTIAL	1,871 SPACES

Source: Hanna Partners, 02/10/2022

EXHIBIT 3: Conceptual Site Plan Moreno Valley Mall Redevelopment Project



2 ENVIRONMENTAL SETTING

2.1 Climate and Meteorology

The California Air Resources Board (CARB) divides the State into 15 air basins that share similar meteorological and topographical features. The Project is located within the South Coast Air Basin (SCAB), which includes the non-desert portions of Los Angeles, Riverside, and San Bernardino counties, as well as all of Orange County. The SCAB is on a coastal plain with connecting broad valleys and low hills, bounded by the Pacific Ocean on the southwest and high mountains forming the remainder of the perimeter¹. Air quality in this area is determined by such natural factors as topography, meteorology, and climate, in addition to the presence of existing air pollution sources and ambient conditions. These factors along with applicable regulations are discussed below.

The SCAB is part of a semi-permanent high-pressure zone in the eastern Pacific. As a result, the climate is mild and tempered by cool sea breezes. This usually mild weather pattern is occasionally interrupted by periods of extreme heat, winter storms, and Santa Ana winds. The annual average temperature throughout the 6,645-square-mile SCAB ranges from low 60 to high 80 degrees Fahrenheit with little variance. With more oceanic influence, coastal areas show less variability in annual minimum and maximum temperatures than inland areas.

Contrasting the steady pattern of temperature, rainfall is seasonally and annually highly variable. Almost all annual rainfall occurs between the months of November and April. Summer rainfall is reduced to widely scattered thundershowers near the coast, with slightly heavier activity in the east and over the mountains.

Although the SCAB has a semiarid climate, the air closer to the Earth's surface is typically moist because of the presence of a shallow marine layer. Except for occasional periods when dry, continental air is brought into the SCAB by offshore winds, the "ocean effect" is dominant. Periods of heavy fog are frequent and low clouds known as high fog are characteristic climatic features, especially along the coast. Annual average humidity is 70 percent at the coast and 57 percent in the eastern portions of the SCAB.

Wind patterns across the SCAB are characterized by westerly or southwesterly on-shore winds during the day and easterly or northeasterly breezes at night. Wind speed is typically higher during the dry summer months than during the rainy winter. Between periods of wind, air stagnation may occur in both the morning and evening hours. Air stagnation is one of the critical determinants of air quality conditions on any given day. During winter and fall, surface high-pressure systems over the SCAB, combined with other meteorological conditions, result in very strong, downslope Santa Ana winds. These winds normally continue for a few days before predominant meteorological conditions are reestablished.

The mountain ranges to the east affect the diffusion of pollutants by inhibiting the eastward transport of pollutants. Air quality in the SCAB generally ranges from fair to poor and is similar to air quality in most of coastal Southern California. The entire region experiences heavy concentrations of air pollutants during prolonged periods of stable atmospheric conditions.

In addition to the characteristic wind patterns that affect the rate and orientation of horizontal pollutant transport, two distinct types of temperature inversions control the vertical depth through which air pollutants are mixed. These inversions are the marine inversion and the radiation inversion. The height of

¹ South Coast Air Quality Management District, *CEQA Air Quality Handbook*, 1993.

the base of the inversion at any given time is called the “mixing height.” The combination of winds and inversions is a critical determinant leading to highly degraded air quality for the SCAB in the summer and generally good air quality in the winter.

2.2 Air Pollutants of Concern

The air pollutants emitted into the ambient air by stationary and mobile sources are regulated by state and federal laws. These regulated air pollutants are known as “criteria air pollutants” and are categorized into primary and secondary pollutants.

Primary air pollutants are emitted directly from sources. Carbon monoxide (CO), reactive organic gases (ROG), nitrogen oxide (NO_x), sulfur dioxide (SO₂), coarse particulate matter (PM₁₀), fine particulate matter (PM_{2.5}), and lead are primary air pollutants. Of these, CO, NO_x, SO₂, PM₁₀, and PM_{2.5} are criteria pollutants. ROG and NO_x are criteria pollutant precursors and form secondary criteria pollutants through chemical and photochemical reactions in the atmosphere. For example, the criteria pollutant ozone (O₃) is formed by a chemical reaction between ROG and NO_x in the presence of sunlight. O₃ and nitrogen dioxide (NO₂) are the principal secondary pollutants. Sources and health effects commonly associated with criteria pollutants are summarized in [Table 1: Air Contaminants and Associated Public Health Concerns](#).

Pollutant	Major Man-Made Sources	Human Health Effects
Particulate Matter (PM ₁₀ and PM _{2.5})	Power plants, steel mills, chemical plants, unpaved roads and parking lots, wood-burning stoves and fireplaces, automobiles and others.	Increased respiratory symptoms, such as irritation of the airways, coughing, or difficulty breathing; asthma; chronic bronchitis; irregular heartbeat; nonfatal heart attacks; and premature death in people with heart or lung disease. Impairs visibility.
Ozone (O ₃)	Formed by a chemical reaction between reactive organic gases/volatile organic compounds (ROG or VOC) ¹ and nitrogen oxides (NO _x) in the presence of sunlight. Motor vehicle exhaust industrial emissions, gasoline storage and transport, solvents, paints and landfills.	Irritates and causes inflammation of the mucous membranes and lung airways; causes wheezing, coughing, and pain when inhaling deeply; decreases lung capacity; aggravates lung and heart problems. Damages plants; reduces crop yield.
Sulfur Dioxide (SO ₂)	A colorless gas formed when fuel containing sulfur is burned and when gasoline is extracted from oil. Examples are petroleum refineries, cement manufacturing, metal processing facilities, locomotives, and ships.	Respiratory irritant. Aggravates lung and heart problems. In the presence of moisture and oxygen, sulfur dioxide converts to sulfuric acid which can damage marble, iron and steel. Damages crops and natural vegetation. Impairs visibility. Precursor to acid rain.
Carbon Monoxide (CO)	An odorless, colorless gas formed when carbon in fuel is not burned completely; a component of motor vehicle exhaust.	Reduces the ability of blood to deliver oxygen to vital tissues, affecting the cardiovascular and nervous system. Impairs vision, causes dizziness, and can lead to unconsciousness or death.
Nitrogen Dioxide (NO ₂)	A reddish-brown gas formed during fuel combustion for motor vehicles and industrial sources. Sources include motor vehicles, electric utilities, and other sources that burn fuel.	Respiratory irritant; aggravates lung and heart problems. Precursor to O ₃ . Contributes to global warming and nutrient overloading which deteriorates water quality. Causes brown discoloration of the atmosphere.
Lead (Pb)	Lead is a metal found naturally in the environment as well as in manufactured products. The major sources of lead	Exposure to lead occurs mainly through inhalation of air and ingestion of lead in food, water, soil, or dust. It accumulates in the blood,

Pollutant	Major Man-Made Sources	Human Health Effects
	emissions have historically been motor vehicles (such as cars and trucks) and industrial sources. Due to the phase out of leaded gasoline, metals processing is the major source of lead emissions to the air today. The highest levels of lead in air are generally found near lead smelters. Other stationary sources are waste incinerators, utilities, and lead-acid battery manufacturers.	bones, and soft tissues and can adversely affect the kidneys, liver, nervous system, and other organs. Excessive exposure to lead may cause neurological impairments such as seizures, mental retardation, and behavioral disorders. Even at low doses, lead exposure is associated with damage to the nervous systems of fetuses and young children, resulting in learning deficits and lowered IQ.
¹ Volatile Organic Compounds (VOCs or Reactive Organic Gases [ROG]) are hydrocarbons/organic gases that are formed solely of hydrogen and carbon. There are several subsets of organic gases including ROG and VOCs. Both ROG and VOCs are emitted from the incomplete combustion of hydrocarbons or other carbon-based fuels. The major sources of hydrocarbons are combustion engine exhaust, oil refineries, and oil-fueled power plants; other common sources are petroleum fuels, solvents, dry cleaning solutions, and paint (via evaporation).		
Source: California Air Pollution Control Officers Association (CAPCOA), <i>Health Effects</i> , http://www.capcoa.org/health-effects/ , accessed October 28, 2021.		

Toxic Air Contaminants

Toxic air contaminants (TACs) are airborne substances that can cause short-term (acute) or long-term (i.e. chronic, carcinogenic or cancer causing) adverse human health effects (i.e. injury or illness). TACs include both organic and inorganic chemical substances. They may be emitted from a variety of common sources including gasoline stations, automobiles, dry cleaners, industrial operations, and painting operations. The current California list of TACs includes more than 200 compounds, including particulate emissions from diesel-fueled engines.

CARB identified diesel particulate matter (DPM) as a toxic air contaminant. DPM differs from other TACs in that it is not a single substance but rather a complex mixture of hundreds of substances. Diesel exhaust is a complex mixture of particles and gases produced when an engine burns diesel fuel. DPM is a concern because it causes lung cancer; many compounds found in diesel exhaust are carcinogenic. DPM includes the particle-phase constituents in diesel exhaust. The chemical composition and particle sizes of DPM vary between different engine types (heavy-duty, light-duty), engine operating conditions (idle, accelerate, decelerate), fuel formulations (high/low sulfur fuel), and the year of the engine. Some short-term (acute) effects of diesel exhaust include eye, nose, throat, and lung irritation, and diesel exhaust can cause coughs, headaches, light-headedness, and nausea. DPM poses the greatest health risk among the TACs. Almost all diesel exhaust particle mass is 10 microns or less in diameter. Due to their extremely small size, these particles can be inhaled and eventually trapped in the bronchial and alveolar regions of the lung.

Ambient Air Quality

CARB monitors ambient air quality at approximately 250 air monitoring stations across the State. These stations usually measure pollutant concentrations ten feet above ground level; therefore, air quality is often referred to in terms of ground-level concentrations. Existing levels of ambient air quality, historical trends, and projections near the Project are documented by measurements made by the South Coast Air Quality Management District (SCAQMD), the air pollution regulatory agency in the SCAB that maintains air quality monitoring stations which process ambient air quality measurements.

Pollutants of concern in the SCAB include O₃, PM₁₀, and PM_{2.5}. The closest air monitoring station to the Project that monitors ambient concentrations of these pollutants is the Moreno Valley-Arrow Monitoring

Station (located approximately 3 miles to the southwest). Local air quality data from 2018 to 2020 are provided in [Table 2: Ambient Air Quality Data](#), which lists the monitored maximum concentrations and number of exceedances of state or federal air quality standards for each year.

Table 2: Ambient Air Quality Data			
Criteria Pollutant	2018	2019	2020
Ozone (O₃)¹			
1-hour Maximum Concentration (ppm)	0.123	0.123	0.143
8-hour Maximum Concentration (ppm)	0.101	0.096	0.115
<i>Number of Days Standard Exceeded</i>			
CAAQS 1-hour (>0.09 ppm)	22	24	46
NAAQS 8-hour (>0.070 ppm)	53	59	82
Carbon Monoxide (CO)¹			
1-hour Maximum Concentration (ppm)	2.21	1.51	1.85
<i>Number of Days Standard Exceeded</i>			
NAAQS 1-hour (>35 ppm)	0	0	0
CAAQS 1-hour (>20 ppm)	0	0	0
Nitrogen Dioxide (NO₂)¹			
1-hour Maximum Concentration (ppm)	0.055	0.056	0.062
<i>Number of Days Standard Exceeded</i>			
NAAQS 1-hour (>.100 ppm)	0	0	0
CAAQS 1-hour (>0.18 ppm)	0	0	0
Particulate Matter Less Than 10 Microns (PM₁₀)¹			
National 24-hour Maximum Concentration	86.5	132.5	142.1
State 24-hour Maximum Concentration	126.0	182.4	137.7
State Annual Average Concentration (CAAQS=20 µg/m ³)	—	—	—
<i>Number of Days Standard Exceeded</i>			
NAAQS 24-hour (>150 µg/m ³)	0	0	0
CAAQS 24-hour (>50 µg/m ³)	127	110	115
Particulate Matter Less Than 2.5 Microns (PM_{2.5})¹			
National 24-hour Maximum Concentration	66.3	55.7	59.6
State 24-hour Maximum Concentration	68.3	57.6	61.9
<i>Number of Days Standard Exceeded</i>			
NAAQS 24-hour (>35 µg/m ³)	3	5	12
NAAQS = National Ambient Air Quality Standards; CAAQS = California Ambient Air Quality Standards; ppm = parts per million; µg/m ³ = micrograms per cubic meter; — = not measured			
¹ Measurements taken at the Riverside-Rubidoux Monitoring Station at 5888 Mission Boulevard, Riverside, California 92509 (CARB# 33144)			
Source: All pollutant measurements are from the CARB Aerometric Data Analysis and Management system database (https://www.arb.ca.gov/adam) except for CO, which were retrieved from the CARB Air Quality and Meteorological Information System (https://www.arb.ca.gov/aqmis2/aqdselect.php)			

2.3 Sensitive Receptors

Sensitive populations are more susceptible to the effects of air pollution than is the general population. Sensitive receptors that are in proximity to localized sources of toxics are of particular concern. Land uses considered sensitive receptors include residences, schools, playgrounds, childcare centers, long-term health care facilities, rehabilitation centers, convalescent centers, and retirement homes. The Project site is mainly surrounded by commercial land uses to the west and commercial/residential to the east, residential south, and State Route 60 (SR-60) and residential uses to the north. TownGate Memorial Park is located to the south. Sensitive land uses nearest to the Project are shown in [Table 3: Sensitive Receptors](#).

Receptor Description	Distance and Direction from the Project
Multi-family Residences	110 feet to the south
Single-family Residences	300 feet to the north
TownGate Memorial Park	1,500 feet to the south
Single-family Residences	1,600 feet to the east

Source: Google Earth

3 REGULATORY SETTING

3.1 Federal

Federal Clean Air Act

Air quality is federally protected by the Federal Clean Air Act (FCAA) and its amendments. Under the FCAA, the United States Environmental Protection Agency (EPA) developed the primary and secondary National Ambient Air Quality Standards (NAAQS) for the criteria air pollutants including O₃, NO₂, CO, SO₂, PM₁₀, PM_{2.5}, and lead. Proposed projects in or near nonattainment areas could be subject to more stringent air-permitting requirements. The FCAA requires each state to prepare a State Implementation Plan to demonstrate how it will attain the NAAQS within the federally imposed deadlines.

The EPA can withhold certain transportation funds from states that fail to comply with the planning requirements of the FCAA. If a state fails to correct these planning deficiencies within two years of Federal notification, the EPA is required to develop a Federal implementation plan for the identified nonattainment area or areas. The provisions of 40 Code of Federal Regulations Parts 51 and 93 apply in all nonattainment and maintenance areas for transportation-related criteria pollutants for which the area is designated nonattainment or has a maintenance plan. The EPA has designated enforcement of air pollution control regulations to the individual states. Applicable federal standards are summarized in [Table 4: State and Federal Ambient Air Quality Standards](#).

3.2 State of California

California Air Resources Board

CARB administers the air quality policy in California. The California Ambient Air Quality Standards (CAAQS) were established in 1969 pursuant to the Mulford-Carrell Act. These standards, included with the NAAQS in [Table 4](#), are generally more stringent and apply to more pollutants than the NAAQS. In addition to the criteria pollutants, CAAQS have been established for visibility reducing particulates, hydrogen sulfide, and sulfates.

The California Clean Air Act (CCAA), which was approved in 1988, requires that each local air district prepare and maintain an Air Quality Management Plan (AQMP) to achieve compliance with CAAQS. These AQMPs also serve as the basis for the preparation of the State Implementation Plan for meeting federal clean air standards for the State of California. Like the EPA, CARB also designates areas within California as either attainment or nonattainment for each criteria pollutant based on whether the CAAQS have been achieved. Under the CCAA, areas are designated as nonattainment for a pollutant if air quality data shows that a state standard for the pollutant was violated at least once during the previous three calendar years. Exceedances that are affected by highly irregular or infrequent events such as wildfires, volcanoes, etc. are not considered violations of a state standard, and are not used as a basis for designating areas as nonattainment. The applicable State standards are summarized in [Table 4](#).

Pollutant	Averaging Time	State Standards ¹	Federal Standards ²
Ozone (O ₃) ^{2, 5, 7}	8 Hour	0.070 ppm (137 µg/m ³)	0.070 ppm
	1 Hour	0.09 ppm (180 µg/m ³)	NA
Carbon Monoxide (CO)	8 Hour	9.0 ppm (10 mg/m ³)	9 ppm (10 mg/m ³)
	1 Hour	20 ppm (23 mg/m ³)	35 ppm (40 mg/m ³)
Nitrogen Dioxide (NO ₂)	1 Hour	0.18 ppm (339 µg/m ³)	0.10 ppm ¹¹
	Annual Arithmetic Mean	0.030 ppm (57 µg/m ³)	0.053 ppm (100 µg/m ³)
Sulfur Dioxide (SO ₂) ⁸	24 Hour	0.04 ppm (105 µg/m ³)	0.14 ppm (365 µg/m ³)
	1 Hour	0.25 ppm (655 µg/m ³)	0.075 ppm (196 µg/m ³)
	Annual Arithmetic Mean	NA	0.03 ppm (80 µg/m ³)
Particulate Matter (PM ₁₀) ^{1, 3, 6}	24-Hour	50 µg/m ³	150 µg/m ³
	Annual Arithmetic Mean	20 µg/m ³	NA
Fine Particulate Matter (PM _{2.5}) ^{3, 4, 6, 9}	24-Hour	NA	35 µg/m ³
	Annual Arithmetic Mean	12 µg/m ³	12 µg/m ³
Sulfates (SO ₄₋₂)	24 Hour	25 µg/m ³	NA
Lead (Pb) ^{10, 11}	30-Day Average	1.5 µg/m ³	NA
	Calendar Quarter	NA	1.5 µg/m ³
	Rolling 3-Month Average	NA	0.15 µg/m ³
Hydrogen Sulfide (H ₂ S)	1 Hour	0.03 ppm (0.42 µg/m ³)	NA
Vinyl Chloride (C ₂ H ₃ Cl) ¹⁰	24 Hour	0.01 ppm (26 µg/m ³)	NA

Notes:

ppm = parts per million; µg/m³ = micrograms per cubic meter; mg/m³ = milligrams per cubic meter; – = no information available.

¹ California standards for O₃, carbon monoxide (except Lake Tahoe), sulfur dioxide (1-hour and 24-hour), nitrogen dioxide, suspended particulate matter - PM₁₀, and visibility reducing particles are values that are not to be exceeded. The standards for sulfates, Lake Tahoe carbon monoxide, lead, hydrogen sulfide, and vinyl chloride are not to be equaled or exceeded. If the standard is for a 1-hour, 8-hour or 24-hour average (i.e. all standards except for lead and the PM₁₀ annual standard), then some measurements may be excluded. Measurements are excluded that CARB determines would occur less than once per year on the average. The Lake Tahoe carbon monoxide standard is 6.0 ppm, a level one-half the national standard and two-thirds the State standard.

² National standards shown are the "primary standards" designed to protect public health. National standards other than for O₃, particulates and those based on annual averages are not to be exceeded more than once a year. The 1-hour O₃ standard is attained if, during the most recent three-year period, the average number of days per year with maximum hourly concentrations above the standard is equal to or less than one. The 8-hour O₃ standard is attained when the 3-year average of the 4th highest daily concentrations is 0.070 ppm or less. The 24-hour PM₁₀ standard is attained when the 3-year average of the 99th percentile of monitored concentrations is less than 150 µg/m³. The 24-hour PM_{2.5} standard is attained when the 3-year average of 98th percentiles is less than 35 µg/m³.

³ Except for the national particulate standards, annual standards are met if the annual average falls below the standard at every site. The national annual particulate standard for PM₁₀ is met if the 3-year average falls below the standard at every site. The annual PM_{2.5} standard is met if the 3-year average of annual averages spatially-averaged across officially designed clusters of sites falls below the standard. NAAQS are set by the EPA at levels determined to be protective of public health with an adequate margin of safety.

⁴ On October 1, 2015, the national 8-hour O₃ primary and secondary standards were lowered from 0.075 to 0.070 ppm. An area will meet the standard if the fourth-highest maximum daily 8-hour O₃ concentration per year, averaged over three years, is equal to or less than 0.070 ppm. EPA will make recommendations on attainment designations by October 1, 2016, and issue final designations October 1, 2017. Nonattainment areas will have until 2020 to late 2037 to meet the health standard, with attainment dates varying based on the O₃ level in the area.

⁵ The national 1-hour O₃ standard was revoked by the EPA on June 15, 2005.

⁶ In June 2002, CARB established new annual standards for PM_{2.5} and PM₁₀.

⁷ The 8-hour California O₃ standard was approved by the CARB on April 28, 2005 and became effective on May 17, 2006.

⁸ On June 2, 2010, the EPA established a new 1-hour SO₂ standard, effective August 23, 2010, which is based on the 3-year average of the annual 99th percentile of 1-hour daily maximum concentrations. The existing 0.030 ppm annual and 0.14 ppm 24-hour SO₂ NAAQS however must continue to be used until one year following EPA initial designations of the new 1-hour SO₂ NAAQS.

⁹ In December 2012, EPA strengthened the annual PM_{2.5} NAAQS from 15.0 to 12.0 µg/m³. In December 2014, the EPA issued final area designations for the 2012 primary annual PM_{2.5} NAAQS. Areas designated "unclassifiable/attainment" must continue to take steps to prevent their air quality from deteriorating to unhealthy levels. The effective date of this standard is April 15, 2015.

¹⁰ CARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure below which there are no adverse health effects determined.

¹¹ National lead standard, rolling 3-month average: final rule signed October 15, 2008. Final designations effective December 31, 2011.

Source: South Coast Air Quality Management District, *Air Quality Management Plan*, 2016; California Air Resources Board, *Ambient Air Quality Standards*, May 6, 2016.

3.3 Regional

South Coast Air Quality Management District

The SCAQMD is the air pollution control agency for Orange County and the urban portions of Los Angeles, Riverside, and San Bernardino Counties. The agency's primary responsibility is ensuring that state and federal ambient air quality standards are attained and maintained in the SCAB. The SCAQMD is also responsible for adopting and enforcing rules and regulations concerning air pollutant sources, issuing permits for stationary sources of air pollutants, inspecting stationary sources of air pollutants, responding to citizen complaints, monitoring ambient air quality and meteorological conditions, awarding grants to reduce motor vehicle emissions, conducting public education campaigns, and many other activities. All projects are subject to SCAQMD rules and regulations in effect at the time of construction.

The SCAQMD is also the lead agency in charge of developing the AQMP, with input from the Southern California Association of Governments (SCAG) and CARB. The AQMP is a comprehensive plan that includes control strategies for stationary and area sources, as well as for on-road and off-road mobile sources. SCAG has the primary responsibility for providing future growth projections and the development and implementation of transportation control measures. CARB, in coordination with federal agencies, provides the control element for mobile sources.

The 2016 AQMP was adopted by the SCAQMD Governing Board on March 3, 2017. The purpose of the AQMP is to set forth a comprehensive and integrated program that would lead the SCAB into compliance with the federal 24-hour PM_{2.5} air quality standard, and to provide an update to the SCAQMD's commitments towards meeting the federal 8-hour O₃ standards. The AQMP incorporates the latest scientific and technological information and planning assumptions, including the *2016-2040 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS)* and updated emission inventory methodologies for various source categories.

The SCAQMD has published the *CEQA Air Quality Handbook* (approved by the SCAQMD Governing Board in 1993 and augmented with guidance for Local Significance Thresholds [LST] in 2008). The SCAQMD guidance helps local government agencies and consultants to develop environmental documents required by California Environmental Quality Act (CEQA) and provides identification of suggested thresholds of significance for criteria pollutants for both construction and operation (see discussion of thresholds below). With the help of the *CEQA Air Quality Handbook* and associated guidance, local land use planners and consultants are able to analyze and document how proposed and existing projects affect air quality in order to meet the requirements of the CEQA review process. The SCAQMD periodically provides supplemental guidance and updates to the handbook on their website.

The SCAG is the regional planning agency for Los Angeles, Orange, Ventura, Riverside, San Bernardino, and Imperial Counties and serves as a forum for regional issues relating to transportation, the economy, community development, and the environment. Under federal law, SCAG is designated as a Metropolitan Planning Organization and under State law as a Regional Transportation Planning Agency and a Council of Governments.

The state and federal attainment status designations for the SCAB are summarized in [Table 5: South Coast Air Basin Attainment Status](#). The SCAB is currently designated as a nonattainment area with respect to the State O₃, PM₁₀, and PM_{2.5} standards, as well as the national 8-hour O₃ and PM_{2.5} standards. The SCAB is designated as attainment or unclassified for the remaining state and federal standards.

Pollutant	State	Federal
Ozone (O ₃) (1 Hour Standard)	Non-Attainment	Non-Attainment (Extreme)
Ozone (O ₃) (8 Hour Standard)	Non-Attainment	Non-Attainment (Extreme)
Particulate Matter (PM _{2.5}) (24 Hour Standard)	–	Non-Attainment (Serious)
Particulate Matter (PM _{2.5}) (Annual Standard)	Non-Attainment	Non-Attainment (Moderate)
Particulate Matter (PM ₁₀) (24 Hour Standard)	Non-Attainment	Attainment (Maintenance)
Particulate Matter (PM ₁₀) (Annual Standard)	Non-Attainment	–
Carbon Monoxide (CO) (1 Hour Standard)	Attainment	Attainment (Maintenance)
Carbon Monoxide (CO) (8 Hour Standard)	Attainment	Attainment (Maintenance)
Nitrogen Dioxide (NO ₂) (1 Hour Standard)	Attainment	Unclassifiable/Attainment
Nitrogen Dioxide (NO ₂) (Annual Standard)	Attainment	Attainment (Maintenance)
Sulfur Dioxide (SO ₂) (1 Hour Standard)	Attainment	Unclassifiable/Attainment
Sulfur Dioxide (SO ₂) (24 Hour Standard)	Attainment	–
Lead (Pb) (30 Day Standard)	–	Unclassifiable/Attainment
Lead (Pb) (3 Month Standard)	Attainment	–
Sulfates (SO ₄₋₂) (24 Hour Standard)	Attainment	–
Hydrogen Sulfide (H ₂ S) (1 Hour Standard)	Unclassified	–

Source: South Coast Air Quality Management District, *Air Quality Management Plan*, 2016; United States Environmental Protection Agency, *Nonattainment Areas for Criteria Pollutants (Green Book)*, 2018.

The following is a list of SCAQMD rules that are required of construction activities associated with the Project:

- Rule 402 (Nuisance)** – This rule prohibits the discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health, or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property. This rule does not apply to odors emanating from agricultural operations necessary for the growing of crops or the raising of fowl or animals.
- Rule 403 (Fugitive Dust)** – This rule requires fugitive dust sources to implement best available control measures for all sources, and all forms of visible particulate matter are prohibited from crossing any property line. This rule is intended to reduce PM₁₀ emissions from any transportation, handling, construction, or storage activity that has the potential to generate fugitive dust. PM₁₀ suppression techniques are summarized below.

- a) Portions of a construction site to remain inactive longer than a period of three months will be seeded and watered until grass cover is grown or otherwise stabilized.
 - b) All on-site roads will be paved as soon as feasible or watered periodically or chemically stabilized.
 - c) All material transported off-site will be either sufficiently watered or securely covered to prevent excessive amounts of dust.
 - d) The area disturbed by clearing, grading, earthmoving, or excavation operations will be minimized at all times.
 - e) Where vehicles leave a construction site and enter adjacent public streets, the streets will be swept daily or washed down at the end of the work day to remove soil tracked onto the paved surface.
- **Rule 1113 (Architectural Coatings)** – This rule requires manufacturers, distributors, and end users of architectural and industrial maintenance coatings to reduce ROG emissions from the use of these coatings, primarily by placing limits on the ROG content of various coating categories.

3.4 Local

City of Moreno Valley General Plan

The City of Moreno Valley's General Plan outlines the concerns of the community and the means of addressing those concerns. Chapter 8, the Environmental Justice Element of the 2040 General Plan identifies goals and policies that will reduce exposure to pollution; provide safe and sanitary housing; provide access to healthy food; and promote active engagement in civic life. Goals and policies that relate to air quality impacts include the following:

Goal EJ-1: Reduce pollution Exposure and improve community health.

- Policy EJ 1-1: Coordinate air quality planning efforts with other local, regional, and State agencies.
- Policy EJ 1-2: Cooperate with SCAQMD and WRCOG in efforts to promote public awareness about air pollution and control measures.
- Policy EJ 1-3: Require new development that would locate sensitive uses adjacent to sources of toxic air contaminants (TAC) to be designed to minimize any potential health risks, consistent with State law.
- Policy EJ 1-4: Require new development that would locate sensitive uses adjacent to sources of toxic air contaminants (TAC) to be designed to minimize any potential health risks, consistent with State law.
- Policy EJ 1-5: Continue purchase or lease of fuel-efficient and low emissions vehicles for City fleet vehicles.
- Policy EJ 1-6: Ensure that construction and grading activities minimize short-term impacts to air quality by employing appropriate mitigation measures and best practices.

- Policy EJ 1-7: Require new large commercial or light industrial projects to develop and implement a plan to minimize truck idling in order to reduce diesel particulate emissions.
- Policy EJ 1-8: Support the incorporation of new technologies and design and construction techniques in new development that minimize pollution and its impacts.
- Policy EJ 1-9: Designate truck routes that avoid sensitive land uses, where feasible.

Moreno Valley Municipal Code

The Moreno Valley Municipal Code establishes the following air quality provisions relative to the Project.

Section 9.10.050 – Air Quality.

No operation or activity otherwise permitted under this title shall cause the emission of any smoke, fly ash, dust, fumes, vapors, gases or other forms of air pollution which exceeds the requirements of the South Coast Air Quality Management District or the requirements of any air quality plan or general plan air quality element adopted by the city.

Section 9.10.150 – Odors.

No operation or activity shall be permitted which emits odorous gases or other odorous matter in such quantities as to be dangerous, injurious, noxious, or otherwise objectionable to a level that is detectable with or without the aid of instruments at or beyond the lot line of the property containing said operation or activity.

4 SIGNIFICANCE CRITERIA AND METHODOLOGY

4.1 Air Quality Thresholds

Based upon the criteria derived from Appendix G of the CEQA Guidelines, a Project normally would have a significant effect on the environment if it would:

- Conflict with or obstruct implementation of the applicable air quality plan.
- Result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is in nonattainment under an applicable state or federal ambient air quality standard.
- Expose sensitive receptors to substantial pollutant concentrations.
- Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.
- Exceed SCAQMD Thresholds

SCAQMD Thresholds

The significance criteria established by SCAQMD may be relied upon to make the above determinations. According to the SCAQMD, an air quality impact is considered significant if the Project would violate any ambient air quality standard, contribute substantially to an existing or projected air quality violation, or expose sensitive receptors to substantial pollutant concentrations. The SCAQMD has established thresholds of significance for air quality during construction and operational activities of land use development projects, as shown in [Table 6: South Coast Air Quality Management District Emissions Thresholds](#).

Criteria Air Pollutants and Precursors	Maximum Pounds Per Day	
	Construction-Related	Operational-Related
Reactive Organic Gases (ROG)	75	55
Carbon Monoxide (CO)	550	550
Nitrogen Oxides (NO _x)	100	55
Sulfur Oxides (SO _x)	150	150
Coarse Particulates (PM ₁₀)	150	150
Fine Particulates (PM _{2.5})	55	55

Source: South Coast Air Quality Management District, *South Coast AQMD Air Quality Significance Thresholds*, April 2019.

Localized Carbon Monoxide

In addition to the daily thresholds listed above, development associated with the Project would also be subject to the ambient air quality standards. These are addressed through an analysis of localized CO impacts. The significance of localized impacts depends on whether ambient CO levels near the Project are above state and federal CO standards (the more stringent California standards are 20 ppm for 1-hour and 9 ppm for 8-hour). The SCAB has been designated as attainment under the 1-hour and 8-hour standards.

Localized Significance Thresholds

In addition to the CO hotspot analysis, the SCAQMD developed LSTs for emissions of NO₂, CO, PM₁₀, and PM_{2.5} generated at new development sites (off-site mobile source emissions are not included in the LST

analysis). LSTs represent the maximum emissions that can be generated at a project without expecting to cause or substantially contribute to an exceedance of the most stringent state or federal ambient air quality standards. LSTs are based on the ambient concentrations of that pollutant within the Project source receptor area (SRA), as demarcated by the SCAQMD, and the distance to the nearest sensitive receptor. LST analysis for construction is applicable for all projects that disturb 5 acres or less on a single day. The City of Moreno Valley is located within SCAQMD SRA 24. Table 7: Local Significance Thresholds for Construction/Operations, shows the LSTs for a 1-acre, 2-acre, and 5-acre project in SRA 24 with sensitive receptors located within 33 meters of the Project. LSTs associated with all acreage categories are provided in Table 7 for informational purposes. Table 7 shows that the LSTs increase as acreages increase. It should be noted that LSTs are screening thresholds and are therefore conservative. The construction LST acreage is determined based daily acreage disturbed. The operational LST acreage is based on the total area of the Project site. Although the Project site is greater than five acres, the 5-acre operational LSTs are conservatively used to evaluate the Project.

Table 7: Local Significance Thresholds for Construction/Operations				
Project Size	Maximum Pounds Per Day			
	Nitrogen Oxide (NO _x)	Carbon Monoxide (CO)	Coarse Particulates (PM ₁₀)	Fine Particulates (PM _{2.5})
1 Acre	128/128	693/693	7/2	3/1
2 Acres	180/180	1,004/1,004	11/3	5/1
5 Acres	280/280	1,769/1,769	22/6	9/2
Note: thresholds interpolated based on a distance of 33 meters				
Source: South Coast Air Quality Management District, <i>Localized Significance Threshold Methodology</i> , July 2008.				

4.2 Methodology

This air quality impact analysis considers construction and operational impacts associated with the Project. Where criteria air pollutant quantification was required, emissions were modeled using the California Emissions Estimator Model (CalEEMod). CalEEMod is a Statewide land use emissions computer model designed to quantify potential criteria pollutant emissions associated with both construction and operations from a variety of land use projects. Air quality impacts were assessed according to methodologies recommended by CARB and the SCAQMD.

Construction equipment, trucks, worker vehicles, and ground-disturbing activities associated with Project construction would generate emissions of criteria air pollutants and precursors. Daily regional construction emissions are estimated by assuming construction occurs at the earliest feasible date (i.e., a conservative estimate of construction activities) and applying off-road, fugitive dust, and on-road emissions factors in CalEEMod.

Project operations would result in emissions of area sources (consumer products), energy sources (natural gas usage), and mobile sources (motor vehicles from Project generated vehicle trips). Emissions from each of these categories are discussed below.

- Area Sources.** Area source emissions would be generated due to consumer products, on-site equipment, architectural coating, and landscaping that were previously not present on the site. Consumer products are various solvents used in non-industrial applications, which emit VOCs during product use. These typically include cleaning supplies, kitchen aerosols, cosmetics, and toiletries. It should be noted that the default area source VOC emission factor developed for

CalEEMod is based on a statewide factor and is not applicable to the project. The CalEEMod default emissions rates were used.

- **Energy Sources.** Energy source emissions would be generated due to electricity and natural gas usage associated with the Project. Primary uses of electricity and natural gas by the Project would be from space heating and cooling, water heating, ventilation, lighting, appliances, and electronics. Energy source emissions were calculated in CalEEMod. No changes were made to the default energy usage consumption rates or emissions factors.
- **Mobile Sources.** Mobile sources are emissions from motor vehicles, including tailpipe and evaporative emissions. Depending upon the pollutant being discussed, the potential air quality impact may be of either regional or local concern. For example, ROG, NO_x, PM₁₀, and PM_{2.5} are all pollutants of regional concern. NO_x and ROG react with sunlight to form O₃, known as photochemical smog. Additionally, wind currents readily transport PM₁₀ and PM_{2.5}. However, CO tends to be a localized pollutant, dispersing rapidly at the source.

Project-generated vehicle emissions are based on the trip generation within the Project Traffic Impact Study and incorporated into CalEEMod as recommended by the SCAQMD. The Project's generated traffic was obtained from the Project's Moreno Valley Mall Redevelopment Traffic Impact Analysis prepared by Kittelson and Associates (March 2022). Project trip generation from the traffic study is based on the following Institute of Transportation Engineers (ITE) land use categories:

- ITE Land Use 310: Hotel (270 rooms, 2,158 total daily vehicle trips).
- ITE Land Use 221: Residential (1,627 dwelling units, 7,390 total daily vehicle trips).
- ITE Land Use 820: Retail (24 thousand square feet, 876 daily vehicle trips).
- ITE Land Use 710: Office (60 thousand square feet, 652 total daily vehicle trips).

The total Project would generate 11,076 daily trips. Mobile source emission rates in CalEEMod used the CARB SAFE Rule adjustment factors.

As discussed above, the SCAQMD provides significance thresholds for emissions associated with proposed Project construction and operations. The proposed Project's construction and operational emissions are compared to the daily criteria pollutant emissions significance thresholds in order to determine the significance of a Project's impact on regional air quality.

The localized effects from the Project's on-site emissions were evaluated in accordance with the SCAQMD's LST methodology, which uses on-site mass emissions rate look-up tables and Project-specific modeling. LSTs represent the maximum emissions from a project that are not expected to cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standards and are developed based on the ambient concentrations of that pollutant for each source receptor area and distance to the nearest sensitive receptor.

5 POTENTIAL IMPACTS AND MITIGATION

5.1 Air Quality Analysis

Threshold 5.1 Would the Project conflict with or obstruct implementation of the applicable air quality plan?

As part of its enforcement responsibilities, the EPA requires each state with nonattainment areas to prepare and submit a State Implementation Plan that demonstrates the means to attain the federal standards. The State Implementation Plan must integrate federal, state, and local plan components and regulations to identify specific measures to reduce pollution in nonattainment areas, using a combination of performance standards and market-based programs. Similarly, under State law, the CCAA requires an air quality attainment plan to be prepared for areas designated as nonattainment regarding the state and federal ambient air quality standards. Air quality attainment plans outline emissions limits and control measures to achieve and maintain these standards by the earliest practical date.

The Project is located within the SCAB, which is under the jurisdiction of the SCAQMD. The SCAQMD is required, pursuant to the FCAA, to reduce emissions of criteria pollutants for which the SCAB is in nonattainment. To reduce such emissions, the SCAQMD drafted the 2016 AQMP. The 2016 AQMP establishes a program of rules and regulations directed at reducing air pollutant emissions and achieving state (California) and national air quality standards. The 2016 AQMP is a regional and multi-agency effort including the SCAQMD, the CARB, the SCAG, and the EPA. The plan's pollutant control strategies are based on the latest scientific and technical information and planning assumptions, including SCAG's growth projections and RTP/SCS, updated emission inventory methodologies for various source categories, and SCAG's latest growth forecasts. SCAG's latest growth forecasts were defined in consultation with local governments and with reference to local general plans. The Project is subject to the SCAQMD's AQMP.

Criteria for determining consistency with the AQMP are defined by the following indicators:

- **Consistency Criterion No. 1:** The Project will not result in an increase in the frequency or severity of existing air quality violations, or cause or contribute to new violations, or delay the timely attainment of air quality standards or the interim emissions reductions specified in the AQMP.
- **Consistency Criterion No. 2:** The Project will not exceed the assumptions in the AQMP or increments based on the years of the Project build-out phase.

According to the SCAQMD's *CEQA Air Quality Handbook*, the purpose of the consistency finding is to determine if a project is inconsistent with the assumptions and objectives of the regional air quality plans, and thus if it would interfere with the region's ability to comply with CAAQS and NAAQS.

The violations to which Consistency Criterion No. 1 refers are CAAQS and NAAQS. As shown in [Table 7](#), with the application of **MM AQ-1**, the Project would not exceed the construction emission standards. However, operational emissions would exceed the operational standard for ROG despite the implementation of all feasible mitigation measures, as shown in [Table 8](#). **MM AQ-2** through **MM AQ-6** are included to reduce operational emissions to the greatest amount feasible. However, even with mitigation, operational emissions would remain above SCAQMD thresholds. Therefore, the Project would potentially contribute to an existing air quality violation. Thus, the Project is not consistent with the first criterion.

Concerning Consistency Criterion No. 2, the AQMP contains air pollutant reduction strategies based on SCAG's latest growth forecasts, and SCAG's growth forecasts were defined in consultation with local governments and with reference to local general plans. The Project site has a General Plan land use designation of Commercial and is zoned as mixed-use community overlay which allows for the Project components including hotels, public parks and recreational facilities, multi-family residential, restaurants, and retail. The Project is consistent with the City's General Plan Land Use Designations and the Zoning Designations and would not require a General Plan Amendment (GPA) and a Zone Change. As such, the Project is consistent with SCAG's latest growth forecasts. Therefore, the Project is consistent with the second criterion.

As noted above (and discussed further in Threshold 5.2, below), Project implementation would result in air pollutant emissions that exceed SCAQMD's operational emission thresholds. Although mitigation would reduce emissions by the greatest feasible amount, Project emissions levels would remain significant and would contribute to the nonattainment designations in the SCAB. Therefore, the Project would be inconsistent with the AQMP, resulting in a significant and unavoidable impact despite the implementation of mitigation.

Mitigation Measures: Mitigation Measures **MM AQ-1** through **MM AQ-6** (refer to Impact Threshold 5.2, below).

Level of Significance: Significant and unavoidable impact. No additional feasible mitigation measures are available that can reduce impacts to less than significant.

Threshold 5.2 Would the Project result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is non-attainment under an applicable state or federal ambient air quality standard?

Construction Emissions

Construction associated with the Project would generate short-term emissions of criteria air pollutants. The criteria pollutants of primary concern within the Project area include O₃-precursor pollutants (i.e. ROG and NO_x) and PM₁₀ and PM_{2.5}. Construction-generated emissions are short term and of temporary duration, lasting only as long as construction activities occur, but would be considered a significant air quality impact if the volume of pollutants generated exceeds the SCAQMD's thresholds of significance.

Construction results in the temporary generation of emissions resulting from site grading, road paving, motor vehicle exhaust associated with construction equipment and worker trips, and the movement of construction equipment, especially on unpaved surfaces. Emissions of airborne particulate matter are largely dependent on the amount of ground disturbance associated with site preparation activities as well as weather conditions and the appropriate application of water.

The duration of construction activities associated with the Project is estimated to last approximately three years and eight months. Construction-generated emissions associated with the Project were calculated using the CARB-approved CalEEMod computer program, which is designed to model emissions for land use development projects, based on typical construction requirements. See [Appendix A: Air Quality Modeling Data](#) for more information regarding the construction assumptions used in this analysis. Predicted maximum daily construction-generated emissions for the Project are summarized in in [Table 8: Construction-Related Emissions](#).

Table 8: Construction-Related Emissions						
Construction Year	Maximum Pounds Per Day					
	Reactive Organic Gases (ROG)	Nitrogen Oxide (NO _x)	Carbon Monoxide (CO)	Sulfur Dioxide (SO ₂)	Coarse Particulate Matter (PM ₁₀)	Fine Particulate Matter (PM _{2.5})
Unmitigated Emissions¹						
2023	44.52	122.75	246.73	0.71	57.13	17.45
2024	49.61	170.41	289.04	0.83	75.53	26.18
2025	64.24	46.12	119.54	0.36	30.45	9.06
2026	63.75	45.49	114.43	0.35	30.44	9.05
<i>SCAQMD Threshold</i>	75	100	550	150	150	55
Exceed SCAQMD Threshold?	No	Yes	No	No	No	No
Mitigated Emissions^{1,2}						
2023	41.92	69.60	252.83	0.75	55.47	15.93
2024	43.13	97.16	300.52	0.87	71.97	22.93
2025	63.16	33.47	122.64	0.38	29.82	8.48
2026	62.66	32.84	117.53	0.37	29.81	8.48
<i>SCAQMD Threshold</i>	75	100	550	150	150	55
Exceed SCAQMD Threshold?	No	No	No	No	No	No
Notes:						
1 SCAQMD Rule 403 Fugitive Dust applied. The Rule 403 reduction/credits include the following: properly maintain mobile and other construction equipment; replace ground cover in disturbed areas quickly; water exposed surfaces three times daily; cover stockpiles with tarps; water all haul roads twice daily; and limit speeds on unpaved roads to 15 miles per hour. Reductions percentages from the SCAQMD CEQA Handbook (Tables XI-A through XI-E) were applied. Refer to Appendix A for Model Data Outputs.						
2 Mitigation includes the incorporation of MM AQ-1 requires off-road equipment 50 horsepower or greater to meet CARB Tier 4 Final standards.						
Source: CalEEMod version 2020.4.0. Refer to Appendix A for model outputs.						

Fugitive dust emissions may have a substantial, temporary impact on local air quality. In addition, fugitive dust may be a nuisance to those living and working in the Project vicinity. Uncontrolled dust from construction can become a nuisance and potential health hazard to those living and working nearby. SCAQMD Rules 402 and 403 (prohibition of nuisances, watering of inactive and perimeter areas, track out requirements, etc.), are applicable to the Project and were applied in CalEEMod to minimize fugitive dust emissions. Standard Condition (SC) AQ-1 requires the implementation of Rule 402 and 403 dust control techniques to minimize PM₁₀ and PM_{2.5} concentrations. While impacts would be considered less than significant, Project would be subject to SCAQMD Rules for reducing fugitive dust, described in the Regulatory Framework subsection above and identified in Standard Conditions SC AQ-1.

Table 8 shows that unmitigated construction emissions would exceed the SCAQMD threshold for the ozone precursor NO_x. The majority of NO_x emissions occur from construction equipment exhaust. **MM AQ-1** requires the off-road construction equipment greater than 50 horsepower to meet CARB Tier 4 Final emissions standards in order to reduce diesel construction emissions. Implementation of **MM AQ-1** would reduce construction impacts to below the SCAQMD's thresholds. Impacts would be less than significant with mitigation.

Operational Emissions

The Project's operational emissions would be associated with area sources (e.g. landscape maintenance equipment, architectural coatings, consumer products, etc.), energy sources, mobile sources (i.e., motor vehicle use), and off-road equipment. Primary sources of operational criteria pollutants are from motor vehicle use. Long-term operational emissions attributable to the Project are summarized in [Table 9: Operational Emissions](#).

Table 9: Operational Emissions						
Source	Maximum Pounds Per Day					
	Reactive Organic Gases (ROG)	Nitrogen Oxide (NO _x)	Carbon Monoxide (CO)	Sulfur Dioxide (SO ₂)	Coarse Particulate Matter (PM ₁₀)	Fine Particulate Matter (PM _{2.5})
Unmitigated Emissions						
Area Source Emissions	55.04	1.55	134.25	<0.01	0.74	0.74
Energy Emissions	1.39	12.24	7.83	0.08	0.96	0.96
Mobile Emissions	31.59	16.43	223.27	0.38	37.71	9.53
Backup Generator	1.69	4.71	4.30	0.01	0.25	0.25
Total Emissions	89.71	34.92	369.64	0.48	39.66	11.48
<i>SCAQMD Threshold</i>	55	55	550	150	150	55
Exceeds Threshold?	Yes	No	No	No	No	No
Mitigated Emissions¹						
Area Source Emissions	52.54	1.23	102.00	<0.01	0.56	0.56
Energy Emissions	1.18	10.39	6.56	0.06	0.81	0.81
Mobile Emissions	30.71	13.57	195.77	0.32	31.31	7.91
Backup Generator	1.69	4.71	4.30	0.01	0.25	0.25
Total Emissions	86.12	29.9	308.63	0.40	32.93	9.53
<i>SCAQMD Threshold</i>	55	55	550	150	150	55
Exceeds Threshold?	Yes	No	No	No	No	No
Notes:						
1 Mitigation includes the incorporation of MM AQ-2 through MM AQ-6 .						
Source: CalEEMod version 2020.4.0. Refer to Appendix A for model outputs.						

As shown in [Table 8](#), unmitigated operational emissions would exceed the SCAQMD criteria pollutant thresholds for ROG. The majority of ROG emissions are from area and mobile sources. Mitigation measures would be required to reduce emissions to the maximum extent feasible; however, emissions of motor vehicles are controlled by State and Federal Standards and the Project has no control over these standards.

MM AQ-2 through **MM AQ-6** have been identified to reduce operational emissions. **MM AQ-2** requires the use of low VOC paints for interior and exterior building applications as well as paint striping for parking lots. For the purposes of state air pollution regulations, ROG's can be considered equivalent to VOCs. **MM AQ-3** requires the implementation of a Transportation Demand Management (TDM) program to reduce single occupant vehicle trips and encourage transit. **MM AQ-4** prohibits the use of any kind of fireplaces, wood-burning or natural gas. **MM AQ-5** requires all landscaping equipment used onsite shall be 100 percent electrically powered and **MM AQ-6** requires that all cleaning products used in public spaces be Safer Choice certified.

Furthermore, Standard Conditions (SC) AQ-1 through SC AQ-3 would further reduce the emission of particulate matter, ROG, NO_x, and CO. Table 8 shows that despite the implementation of **MM AQ-2** through **MM AQ-6**, operational emissions would remain above the SCAQMD's thresholds, therefore impacts would be significant and unavoidable.

Cumulative Construction Emissions

The SCAB is designated nonattainment for O₃, PM₁₀, and PM_{2.5} for State standards and nonattainment for O₃ and PM_{2.5} for Federal standards. Appendix D of the SCAQMD White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution (2003) notes that projects that result in emissions that do not exceed the project-specific SCAQMD regional thresholds of significance should result in a less than significant impact on a cumulative basis unless there is other pertinent information to the contrary. The mass-based regional significance thresholds published by the SCAQMD are designed to ensure compliance with both NAAQS and CAAQS and are based on an inventory of projected emissions in the SCAB. Therefore, if a project is estimated to result in emissions that do not exceed the thresholds, the project's contribution to the cumulative impact on air quality in the SCAB would not be cumulatively considerable. As shown in Table 7 above, Project construction-related emissions with **MM AQ-1** would not exceed the SCAQMD significance thresholds for criteria pollutants. Therefore, the proposed Project would not generate a cumulatively considerable contribution to air pollutant emissions during construction.

Cumulative Operational Impacts

The SCAQMD has not established separate significance thresholds for cumulative operational emissions. The nature of air emissions is largely a cumulative impact. As a result, no single project is sufficient in size to, by itself, result in nonattainment of ambient air quality standards. Instead, individual project emissions contribute to existing cumulatively significant adverse air quality impacts. The SCAQMD developed the operational thresholds of significance based on the level above which individual project emissions would result in a cumulatively considerable contribution to the SCAB's existing air quality conditions. Therefore, a project that exceeds the SCAQMD operational thresholds would also be a cumulatively considerable contribution to a significant cumulative impact.

As shown in Table 8, the Project operational ROG emissions would exceed the SCAQMD threshold despite the implementation of mitigation. As a result, operational emissions associated with the Project would result in a cumulatively considerable contribution to significant cumulative air quality impacts. Emissions of motor vehicles are controlled by State and Federal standards and the Project has no control over these standards. Standard Conditions and implementation of operational **MM AQ-2** through **MM AQ-6** would reduce emissions by requiring the use of low VOC paint, reducing the number of vehicles onsite, prohibition of fireplaces, requiring electric landscape equipment, and low VOC cleaning products however, ROG emissions would remain above SCAQMD thresholds. Therefore, no additional feasible mitigation measures are available to further reduce emissions, and impacts would remain significant.

Standard Conditions and Requirements:

Standard Conditions are existing requirements and standard conditions that are based on local, state, or federal regulations or laws that are frequently required independently of CEQA review. Typical standard conditions and requirements include compliance with the provisions of the Building Code, SCAQMD Rules,

etc. The City may impose additional conditions during the approval process, as appropriate. Because Standard Conditions are neither Project specific nor a result of development of the Project, they are not considered to be either Project Design Features or Mitigation Measures.

- SC AQ-1** Prior to the issuance of grading permits, the City Engineer shall confirm that the Grading Plan, Building Plans and Specifications require all construction contractors to comply with South Coast Air Quality Management District's (SCAQMD's) Rules 402 and 403 to minimize construction emissions of dust and particulates. The measures include, but are not limited to, the following:
- Portions of a construction site to remain inactive longer than a period of three months will be seeded and watered until grass cover is grown or otherwise stabilized.
 - All on-site roads will be paved as soon as feasible or watered periodically or chemically stabilized.
 - All material transported off site will be either sufficiently watered or securely covered to prevent excessive amounts of dust.
 - The area disturbed by clearing, grading, earthmoving, or excavation operations will be minimized at all times.
 - Where vehicles leave a construction site and enter adjacent public streets, the streets will be swept daily or washed down at the end of the work day to remove soil tracked onto the paved surface.
- SC AQ-2** Pursuant to SCAQMD Rule 1113, the Project Applicant shall require by contract specifications that the interior and exterior architectural coatings products used would have a volatile organic compound rating of 50 grams per liter or less.
- SC AQ-3** Require diesel powered construction equipment to turn off when not in use per Title 13 of the California Code of Regulations, Section 2449.
- SC AQ-4** Pursuant to SCAQMD Rule 445, the installation of any open or enclosed permanently installed wood burning device is prohibited.
- SC AQ-5** The Project shall be designed in accordance with the applicable Title 24 Energy Efficiency Standards for Residential and Nonresidential Buildings (California Code of Regulations [CCR], Title 24, Part 6). These standards are updated, nominally every three years, to incorporate improved energy efficiency technologies and methods. The Building Official, or designee shall ensure compliance prior to the issuance of each building permit. The Title 24 Energy Efficiency Standards (Section 110.10) require buildings to be designed to have 15 percent of the roof area "solar ready" that will structurally accommodate later installation of rooftop solar panels. If future building operators pursue providing rooftop solar panels, they will submit plans for solar panels prior to occupancy.
- SC AQ-6** The Project shall be designed in accordance with the applicable California Green Building Standards (CALGreen) Code (24 CCR, Part 11). The Building Official, or designee shall ensure compliance prior to the issuance of each building permit. These requirements include, but are not limited to:

- Design buildings to be water-efficient. Install water-efficient fixtures in accordance with Section 4.303 (residential) and Section 5.303 (nonresidential) of the California Green Building Standards Code Part 11.
- Recycle and/or salvage for reuse a minimum of 65 percent of the nonhazardous construction and demolition waste in accordance with Section 4.408.1 (residential) and Section 5.408.1 (nonresidential) of the California Green Building Standards Code Part 11.
- Provide storage areas for recyclables and green waste and adequate recycling containers located in readily accessible areas in accordance with Section 4.410 (residential) and Section 5.410 (nonresidential) of the California Green Building Standards Code Part 11.
- Provide designated parking for any combination of low-emitting, fuel efficient and carpool/van pool vehicles. At least eight percent of the total parking spaces are required to be designated in accordance Section 5.106.5.2 (nonresidential), Designated Parking for Clean Air Vehicles, of the California Green Building Standards Code Part 11.
- To facilitate future installation of electric vehicle supply equipment (EVSE), residential construction shall comply with Section 4.106.4 (residential electric vehicle charging) of the California Green Building Standards Code Part 11 and nonresidential construction shall comply with Section 5.106.5.3 (nonresidential electric vehicle charging) of the California Green Building Standards Code Part 11.

Mitigation Measures:

MM AQ-1 Prior to issuance of grading permits, the applicant shall prepare and submit documentation to the City of Moreno Valley that demonstrate the following:

- All off-road diesel-powered construction equipment greater than 50 horsepower meets California Air Resources Board Tier 4 Final off-road emissions standards or incorporate CARB Level 3 Verified Diesel Emission Control Strategy (VDECS). Requirements for Tier 4 Final equipment shall be included in applicable bid documents and successful contractor(s) must demonstrate the ability to supply such equipment. A copy of each unit's Best Available Control Technology (BACT) documentation (certified tier specification or model year specification), and CARB or SCAQMD operating permit (if applicable) shall be provided to the City at the time of mobilization of each applicable unit of equipment.
- Construction equipment shall be properly maintained according to manufacturer specifications.
- All construction equipment and delivery vehicles shall be turned off when not in use, or limit on-site idling for no more than 5 minutes in any 1 hour.
- On-site electrical hook ups to a power grid shall be provided for electric construction tools including saws, drills, and compressors, where feasible, to reduce the need for diesel powered electric generators.

MM AQ-2 Low VOC Paint. The Project Applicant shall require by contract specifications commercial development to use interior and exterior architectural coatings (paint and primer including parking lot paint) products that have a volatile organic compound rating of 50 grams per liter or less. Contract specifications shall be reviewed and approved by the City of Moreno Valley prior to the issuance of occupancy permits. This measure shall be made a condition of approval for continued upkeep of the property.

MM AQ-3 Vehicle Trip Reduction. Develop a qualifying Commute Trip Reduction (CTR)/Transportation Demand Management (TDM) plan to reduce mobile GHG emissions for all uses. The TDM plan shall be approved by the City of Moreno Valley prior to the issuance of building permits and incorporated into the Project's Codes Covenants and Restrictions (CC&Rs). The TDM plan shall discourage single-occupancy vehicle trips and encourage alternative modes of transportation such as carpooling, taking transit, walking, and biking. The following measures shall be incorporated into the TDM plan.

TDM Requirements for Non-Residential Uses:

- The Project Applicant shall consult with the local transit service provider on the need to provide infrastructure to connect the Project with transit services. Evidence of compliance with this requirement may include correspondence from the local transit provider(s) regarding the potential need for installing bus turnouts, shelters, or bus stops at the site.
- The portion of the TDM plan for non-residential uses shall include, but not be limited to the following potential measures: ride-matching assistance, preferential carpool parking, flexible work schedules for carpools, half-time transportation coordinators, providing a web site or message board for coordinating rides, designating adequate passenger loading and unloading and waiting areas for ride-sharing vehicles, and including bicycle end of trip facilities. This list may be updated as new methods become available. Verification of this measure shall occur prior to building permit issuance for the commercial uses.

TDM Requirements for Residential Units:

- **Rental Units.** Upon a residential dwelling being rented or offered for rent, the Project Applicant shall notify and offer to the tenant or prospective tenant, materials describing public transit, ridesharing, and nonmotorized commuting opportunities in the vicinity of the development. The materials shall be approved by the City of Moreno Valley. The materials shall be provided no later than the time the rental agreement is executed. This information shall be submitted to the City of Moreno Valley Planning Division for review and approval, prior to the issuance of the first certificate of occupancy.

MM AQ-4 Prohibition of Fireplaces. The installation of wood-burning and natural gas devices shall be prohibited. The purpose of this measure is to limit emissions of ROG, NO_x, particulate matter and visible emissions from wood-burning and natural gas devices used for primary

heat, supplemental heat, or ambiance. This prohibition shall be noted on the deed and/or lease agreements for future property owners/tenants to obey.

MM AQ-5 Electric Landscape Equipment. Prior to the issuance of occupancy permits, the Planning Division shall confirm that the Project's Codes Covenants and Restrictions (CC&Rs) and/or tenant lease agreements include contractual language that all landscaping equipment used onsite shall be 100 percent electrically powered. All residential and non-residential properties shall be equipped with exterior electrical outlets to accommodate this requirement. This requirement shall be included in the third-party vendor agreements for landscape services for the building owner and tenants, as applicable.

MM AQ-6 Low VOC Cleaning Supplies. Prior to the issuance of occupancy permits, the Planning Division shall confirm that the Project's Codes CC&Rs and/or tenant lease agreements include contractual language that all cleaning products used in public spaces will be EPA Safer Choice certified.² This requirement shall be included in the third-party vendor agreements for the building owner and tenants, as applicable.

Level of Significance: Significant and unavoidable impact for operational emissions. Construction emissions are less than significant. However, operational ROG emissions from area sources and mobile sources remain significant even after the incorporation of **MM AQ-2** through **MM AQ-6**. No additional feasible mitigation measures are available that can reduce ROG emission impacts to less than significant.

Threshold 5.3 Would the Project expose sensitive receptors to substantial pollutant concentrations?

Localized Construction Significance Analysis

The nearest sensitive receptors are the multi-family residences located 110 feet (33 meters) to the south of the Project on the opposite side of Town Circle. To identify impacts to sensitive receptors, the SCAQMD recommends addressing LSTs for construction. LSTs were developed in response to SCAQMD Governing Boards' Environmental Justice Enhancement Initiative (I-4). The SCAQMD provided the *Final Localized Significance Threshold Methodology* (dated June 2003 [revised 2008]) for guidance. The LST methodology assists lead agencies in analyzing localized impacts associated with Project-specific emissions.

Since CalEEMod calculates construction emissions based on the number of equipment hours and the maximum daily soil disturbance activity possible for each piece of equipment, Table 10: Equipment-Specific Disturbance Rates, is used to determine the maximum daily disturbed acreage for comparison to LSTs. The appropriate SRA for the localized significance thresholds is the Perris Valley (SRA 24) since this area includes the Project. LSTs apply to CO, NO₂, PM₁₀, and PM_{2.5}. The SCAQMD produced look-up tables for projects that disturb areas less than or equal to 5 acres in size. Project construction is anticipated to disturb a maximum of 4.0 acres in a single day.

² EPA manages the Safer Choice Program which certifies products that contain safer ingredients for human health and the environment. <https://www.epa.gov/saferchoice/products>

Construction Phase	Equipment Type	Equipment Quantity	Acres Disturbed per 8-Hour Day	Operating Hours per Day	Acres Graded per Day
Grading	Tractors	2	0.5	8	1.0
	Graders	1	0.5	8	0.5
	Dozers	1	0.5	8	0.5
	Scrapers	2	1.0	8	2.0
Total Acres Graded per Day					4.0

Source: SCAQMD, Fact Sheet for Applying CalEEMod to Localized Significance Thresholds. CalEEMod version 2020.4.0. Refer to [Appendix A](#) for model outputs.

The SCAQMD's methodology states that "off-site mobile emissions from the Project should not be included in the emissions compared to LSTs." Therefore, only emissions included in the CalEEMod "on-site" emissions outputs were considered. The nearest sensitive receptors are the multi-family residences located 110 feet (33 meters) south of the Project. LST thresholds are provided for distances to sensitive receptors of 25, 50, 100, 200, and 500 meters. Therefore, LSTs for receptors have been conservatively interpolated for a distance of 33 meters and utilized in this analysis. [Table 11: Localized Significance of Construction Emissions](#), presents the results of localized emissions during construction.

Construction Activity	Maximum Pounds Per Day			
	Nitrogen Oxide (NO _x)	Carbon Monoxide (CO)	Coarse Particulate Matter (PM ₁₀)	Fine Particulate Matter (PM _{2.5})
Demolition Sequence 1	4.32	23.08	0.43	0.22
Site Preparation Sequence 1	2.02	20.87	7.73	4.00
Overlapping Activity Emissions	6.34	43.95	8.16	4.22
Construction Sequence 1	8.15	16.59	0.34	0.33
Grading Sequence 1	22.55	30.32	4.43	2.20
Paving Sequence 1	1.22	17.3	0.04	0.04
Architectural Coating Sequence 1	1.3	1.81	0.07	0.07
Overlapping Activity Emissions	33.22	66.02	4.88	2.64
Demolition Sequence 2	4.32	23.08	1.32	0.35
Site Preparation Sequence 2	2.02	20.87	7.74	4.00
Overlapping Activity Emissions	6.34	43.95	9.06	4.35
Construction Sequence 2	7.67	16.51	0.31	0.30
Paving Sequence 2	1.22	17.3	0.04	0.04
Architectural Coating Sequence 2	1.22	1.81	0.06	0.06
Overlapping Activity Emissions	10.11	35.62	0.41	0.40
Demolition Sequence 3	20.88	19.71	9.58	2.20
Site Preparation Sequence 3	2.02	20.87	7.73	4.00
Overlapping Activity Emissions	22.9	40.58	17.31	6.20

Grading Sequence 3	20.88	29.94	4.37	2.15
Construction Sequence 3	7.67	16.51	0.31	0.3
Architectural Coating Sequence 3	1.15	1.81	0.05	0.05
Paving Sequence 3	8.58	14.58	0.42	0.39
Overlapping Activity Emissions	38.28	62.84	5.15	2.89
<i>SCAQMD Localized Screening Threshold (4 acres at 33 meters)</i>	249	1,556	20	7
Exceed SCAQMD Threshold?	No	No	No	No
Source: CalEEMod version 2020.4.0. Refer to Appendix A for model outputs.				

Table 10 shows that the emissions of these pollutants on the peak day of Project construction. Based on the construction schedule, certain activities are anticipated to overlap, therefore these emissions have been conservatively combined. Daily emissions would not result in significant concentrations of pollutants at nearby sensitive receptors. Therefore, the Project would result in a less than significant impact concerning LSTs during construction activities.

Localized Operational Significance Analysis

According to the SCAQMD LST methodology, LSTs would apply to the operational phase of a project only if it includes stationary sources or attracts mobile sources that may spend long periods queuing and idling at the site (e.g., warehouse or transfer facilities). The Project includes multi-family residential, hotels, office space, and commercial retail. These uses would not generate long periods of vehicle idling and queuing, therefore an operational LST analysis is not warranted.

Criteria Pollutant Health Impacts

On December 24, 2018, the California Supreme Court issued an opinion identifying the need to provide sufficient information connecting a project's air emissions to health impacts or explain why such information could not be ascertained (*Sierra Club v. County of Fresno* [Friant Ranch, L.P.] [2018] Cal.5th, Case No. S219783). The SCAQMD has set its CEQA significance thresholds based on the FCAA, which defines a major stationary source (in extreme ozone nonattainment areas such as the South Coast Air Basin) as emitting 10 tons per year. The thresholds correlate with the trigger levels for the federal New Source Review (NSR) Program and SCAQMD Rule 1303 for new or modified sources. The NSR Program³ was created by the FCAA to ensure that stationary sources of air pollution are constructed or modified in a manner that is consistent with attainment of health-based federal ambient air quality standards. The federal ambient air quality standards establish the levels of air quality necessary, with an adequate margin of safety, to protect the public health. Therefore, projects that do not exceed the SCAQMD's LSTs and mass emissions thresholds would not violate any air quality standards or contribute substantially to an existing or projected air quality violation and no criteria pollutant health impacts.

NO_x and ROG are precursor emissions that form O₃ in the atmosphere in the presence of sunlight where the pollutants undergo complex chemical reactions. It takes time and the influence of meteorological conditions for these reactions to occur, so O₃ may be formed at a distance downwind from the sources. Breathing ground-level O₃ can result health effects that include reduced lung function, inflammation of airways, throat irritation, pain, burning, or discomfort in the chest when taking a deep breath, chest

³ Code of Federal Regulation (CFR) [i.e., PSD (40 CFR 52.21, 40 CFR 51.166, 40 CFR 51.165 (b)), Non-attainment NSR (40 CFR 52.24, 40 CFR 51.165, 40 CFR part 51, Appendix S)

tightness, wheezing, or shortness of breath. In addition to these effects, evidence from observational studies strongly indicates that higher daily O₃ concentrations are associated with increased asthma attacks, increased hospital admissions, increased daily mortality, and other markers of morbidity. The consistency and coherence of the evidence for effects upon asthmatics suggests that O₃ can make asthma symptoms worse and can increase sensitivity to asthma triggers.

According to the SCAQMD's 2016 AQMP, ozone, NO_x, and ROG have been decreasing in the Basin since 1975 and are projected to continue to decrease in the future. Although vehicle miles traveled in the Basin continue to increase, NO_x and ROG levels are decreasing because of the mandated controls on motor vehicles and the replacement of older polluting vehicles with lower-emitting vehicles. NO_x emissions from electric utilities have also decreased due to the use of cleaner fuels and renewable energy. The 2016 AQMP demonstrates how the SCAQMD's control strategy to meet the 8-hour ozone standard in 2023 would lead to sufficient NO_x emission reductions to attain the 1-hour ozone standard by 2022. In addition, since NO_x emissions also lead to the formation of PM_{2.5}, the NO_x reductions needed to meet the ozone standards will likewise lead to improvement of PM_{2.5} levels and attainment of PM_{2.5} standards.

The SCAQMD's air quality modeling demonstrates that NO_x reductions prove to be much more effective in reducing ozone levels and will also lead to significant improvement in PM_{2.5} concentrations. NO_x-emitting stationary sources regulated by the SCAQMD include Regional Clean Air Incentives Market (RECLAIM) facilities (e.g., refineries, power plants, etc.), natural gas combustion equipment (e.g., boilers, heaters, engines, burners, flares) and other combustion sources that burn wood or propane. The 2016 AQMP identifies robust NO_x reductions from new regulations on RECLAIM facilities, non-refinery flares, commercial cooking, and residential and commercial appliances. Such combustion sources are already heavily regulated with the lowest NO_x emissions levels achievable but there are opportunities to require and accelerate replacement with cleaner zero-emission alternatives, such as residential and commercial furnaces, pool heaters, and backup power equipment. The AQMD plans to achieve such replacements through a combination of regulations and incentives. Technology-forcing regulations can drive development and commercialization of clean technologies, with future year requirements for new or existing equipment. Incentives can then accelerate deployment and enhance public acceptability of new technologies.

The 2016 AQMP also emphasizes that beginning in 2012, continued implementation of previously adopted regulations will lead to NO_x emission reductions of 68 percent by 2023 and 80 percent by 2031. With the addition of 2016 AQMP proposed regulatory measures, a 30 percent reduction of NO_x from stationary sources is expected in the 15-year period between 2008 and 2023. This is in addition to significant NO_x reductions from stationary sources achieved in the decades prior to 2008.

As discussed above, the mass emissions thresholds developed by SCAQMD and used by CEQA lead agencies throughout southern California to determine potential significance of project-related regional changes in the environment are not directly indicative of exceedances of applicable ambient air standards. Meteorology, the presence of sunlight, and other complex chemical factors all combine to determine the ultimate concentration and location of O₃ or PM. The effects on ground-level ambient concentrations of pollutants that may be breathed by people are also influenced by the spatial and temporal patterns of the emission sources. In other words, the effect on O₃ and PM concentrations from a given mass of pollutants emitted in one location may vary from the effect if that same mass of pollutants was emitted in an entirely different location in the SCAB. The same effect may be observed when the daily and seasonal variation of emissions is taken into account. Regional-scale photochemical modeling, typically performed only for

NAAQS attainment demonstration and rule promulgation, account for these changes in the spatial, temporal, and chemical nature of regional emissions.

Emissions from the construction and operation of the proposed Project would vary by time of day, month, and season, and the majority of Project-related emissions, being generated by mobile sources driving to and from the site, would be emitted throughout a wide area defined by the origins and destinations of people travelling to and from the proposed Project. As SCAQMD has stated “it takes a large amount of additional precursor emissions to cause a modeled increase in ambient ozone levels over an entire region.”⁴

Specifically, for extremely large regional projects, the SCAQMD states that it has been able to correlate potential health outcomes for very large emissions sources – as part of their rulemaking activity, specifically 6,620 pounds per day of NO_x and 89,180 pounds per day of VOC were expected to result in approximately 20 premature deaths per year and 89,947 school absences due to O₃. Based on its recent experiences applying regional scale models to relatively small increase in emissions, SCAQMD stated in its Amicus Brief in the Sierra Club v. County of Fresno case: “[A] project emitting only 10 tons per year of NO_x or VOC is small enough that its regional impact on ambient ozone levels may not be detected in the regional air quality models that are currently used to determine ozone levels.”⁵ The Brief makes it clear that SCAQMD does not believe that there must be a quantification of a project's health risks in CEQA documents prepared for individual projects. Any attempt to quantify the proposed Project's health risks would be considered unreliable and misleading. Also, the Project does not generate anywhere near 6,620 pounds per day of NO_x or 89,190 pounds per day of ROG (VOC) emissions, which SCAQMD stated was a large enough emission to quantify O₃-related health impacts. Therefore, the Project's emissions are not sufficiently high enough to use regional modeling program to correlate health effects on a basin-wide level.

As previously discussed, localized effects of on-site Project emissions on nearby receptors for the Project would be less than significant (refer to [Table 11](#)). The LSTs represent the maximum emissions from a project that are not expected to cause or contribute to an exceedance of the most stringent applicable state or federal ambient air quality standard. The LSTs were developed by the SCAQMD based on the ambient concentrations of that pollutant for each SRA and distance to the nearest sensitive receptor. The ambient air quality standards establish the levels of air quality necessary, with an adequate margin of safety, to protect public health, including protecting the health of sensitive populations. However, as discussed above, neither the SCAQMD nor any other air district currently have methodologies that would provide Lead Agencies and CEQA practitioners with a consistent, reliable, and meaningful analysis to correlate specific health impacts that may result from a proposed project's mass emissions. Information on health impacts related to exposure to ozone and particulate matter emissions published by the U.S. EPA and CARB have been summarized above and discussed in the Regulatory Framework section. Health studies are used by these agencies to set the NAAQS and CAAQS.

The NAAQS and CAAQS were developed to protect the most susceptible population groups from adverse health effects and were established in terms of parts per million or micrograms per cubic meter for the applicable emissions. As stated earlier, the mass emission thresholds were established primarily in conjunction with federal permitting “major source” thresholds. If emissions were below these “de minimis” emission rates, then the proposed Project is presumed to conform with the NAAQS.⁶ While

⁴ South Coast Air Quality Management District, *Amicus Brief in Support of Neither Party, Sierra Club v. County of Fresno*, 2015.

⁵ South Coast Air Quality Management District, *Amicus Brief in Support of Neither Party, Sierra Club v. County of Fresno*, 2015.

⁶ US Environmental Protection Agency. Frequent Questions about General Conformity. Available:

<https://www.epa.gov/general-conformity/frequent-questions-about-general-conformity>. Accessed July 2019.

based on the status of an air basin level of attainment of the health-based NAAQS, emissions in excess of the mass emission thresholds from one project does not mean the air basin would experience measurably higher ground level concentrations, or more frequent occurrences of ground level concentrations in exceedance of standards, or delay timely attainment of a particular NAAQS.

Ozone concentrations are dependent upon a variety of complex factors, including the presence of sunlight and precursor pollutants, natural topography, nearby structures that cause building downwash, atmospheric stability, and wind patterns. Because of the complexities of predicting ground-level ozone concentrations in relation to the NAAQS and CAAQS, none of the health-related information can be directly correlated to the pounds/day or tons/year of emissions estimated from a single, proposed project. It should also be noted that this analysis identifies health concerns related to particulate matter, CO, O₃, and NO₂. [Table 2](#) includes a list of criteria pollutants and summarizes common sources and effects. Thus, this analysis is reasonable and intended to foster informed decision making. Due to the uncertainty in the relationship between project-level mass emissions and regional ozone formation as well as limitations with currently available technical tools, the resulting health effects associated with the Project cannot be identified. Given this is speculative, no meaningful conclusion can be drawn with respect to potential health effects from the criteria pollutant emissions of the proposed Project.

Carbon Monoxide Hotspots

An analysis of CO “hot spots” is needed to determine whether the change in the level of service of an intersection resulting from the Project would have the potential to result in exceedances of the CAAQS or NAAQS. It has long been recognized that CO exceedances are caused by vehicular emissions, primarily when vehicles are idling at intersections. Vehicle emissions standards have become increasingly stringent in the last 20 years. Currently, the CO standard in California is a maximum of 3.4 grams per mile for passenger cars (requirements for certain vehicles are more stringent). With the turnover of older vehicles, introduction of cleaner fuels, and implementation of control technology on industrial facilities, CO concentrations have steadily declined. Accordingly, with the steadily decreasing CO emissions from vehicles, even very busy intersections do not result in exceedances of the CO standard.

The SCAB was re-designated as attainment in 2007 and is no longer addressed in the SCAQMD’s AQMP. The 2003 AQMP is the most recent version that addresses CO concentrations. As part of the SCAQMD *CO Hotspot Analysis*, the Wilshire Boulevard and Veteran Avenue intersection, one of the most congested intersections in Southern California with an average daily traffic (ADT) volume of approximately 100,000 vehicles per day, was modeled for CO concentrations. This modeling effort identified a CO concentration high of 4.6 ppm, which is well below the 35-ppm Federal standard. The Project considered herein would not produce the volume of traffic required to generate a CO hot spot in the context of SCAQMD’s *CO Hotspot Analysis*. As the CO hotspots were not experienced at the Wilshire Boulevard and Veteran Avenue intersection even as it accommodates 100,000 vehicles daily, it can be reasonably inferred that CO hotspots would not be experienced at any vicinity intersections resulting from 11,076 additional vehicle trips attributable to the Project and distributed throughout the roadway network. Therefore, impacts would be less than significant.

Construction-Related Diesel Particulate Matter

Construction of the Project would result in the generation of DPM emissions from the use of required off-road diesel equipment. The amount to which the receptors are exposed (a function of concentration and duration of exposure) is the primary factor used to determine health risk (i.e. potential exposure to TAC emission levels that exceed applicable standards). Health-related risks associated with diesel-exhaust emissions are primarily linked to long-term exposure and the associated risk of contracting cancer.

The use of diesel-powered construction equipment would be temporary and episodic. The duration of exposure would be short and exhaust from construction equipment dissipates rapidly. Current models and methodologies for conducting health risk assessments are associated with longer-term exposure periods of 9, 30, and 70 years, which do not correlate well with the temporary and highly variable nature of construction activities. The California Office of Environmental Health Hazard Assessment (OEHHA) has not identified short-term health effects from DPM. Construction is temporary and would be transient throughout the site (i.e., move from location to location) and would not generate emissions in a fixed location for extended periods of time which would limit the exposure of any proximate individual sensitive receptor to TACs.

Additionally, construction is subject to and would comply with California regulations (e.g., California Code of Regulations, Title 13, Sections 2485 and 2449), which reduce diesel PM and criteria pollutant emissions from in-use off-road diesel-fueled vehicles and limit the idling of heavy-duty construction equipment to no more than five minutes. These regulations would further reduce nearby sensitive receptors' exposure to temporary and variable DPM emissions. Given the temporary and intermittent nature of construction activities likely to occur within specific locations in the Project site (i.e., construction is not likely to occur in any one location for an extended time), the dose of DPM of any one receptor is exposed to would be limited. Therefore, considering the relatively short duration of DPM-emitting construction activity at any one location, and the highly dispersive properties of DPM, sensitive receptors would not be exposed to substantial concentrations of construction-related TAC emissions. Impacts would be less than significant.

Mitigation Measures: Mitigation Measure **MM AQ-1** (refer to Impact Threshold 5.2, above).

Level of Significance: Less than significant impact with mitigation.

Threshold 5.4 Would the Project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Construction

Odors that could be generated by construction activities are required to follow SCAQMD Rule 402 to prevent odor nuisances on sensitive land uses. SCAQMD Rule 402, Nuisance, states:

A person shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.

During construction, emissions from construction equipment, such as diesel exhaust, and volatile organic compounds from architectural coatings and paving activities may generate odors. However, these odors would be temporary, are not expected to affect a substantial number of people and would disperse rapidly. Therefore, impacts related to odors associated with the Project's construction-related activities would be less than significant.

Operations

The SCAQMD *CEQA Air Quality Handbook* identifies certain land uses as sources of odors. These land uses include agriculture (farming and livestock), wastewater treatment plants, food processing plants, chemical plants, composting facilities, refineries, landfills, dairies, and fiberglass molding. The Project would not include any of the land uses that have been identified by the SCAQMD as odor sources. Therefore, the Project would not create objectionable odors.

Mitigation Measures: No mitigation is required.

Level of Significance: Less than significant impact.

6 REFERENCES

1. California Air Pollution Control Officers Association (CAPCOA), *Health Effects*, 2018.
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Appendix A

Air Quality Modeling Data

Construction Only Modeling

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Moreno Valley Mall - Construction Only - no mitigation

Riverside-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	60.00	1000sqft	1.38	60,000.00	0
Enclosed Parking with Elevator	531.00	Space	4.78	212,400.00	0
Enclosed Parking with Elevator	701.00	Space	6.31	280,400.00	0
Parking Lot	392.68	1000sqft	9.01	392,677.00	0
Parking Lot	175.83	1000sqft	4.04	175,833.00	0
City Park	1.48	Acre	1.48	64,468.80	0
Hotel	270.00	Room	9.00	392,040.00	0
Apartments Mid Rise	596.00	Dwelling Unit	15.68	596,000.00	1705
Apartments Mid Rise	1,031.00	Dwelling Unit	27.13	1,031,000.00	2949
Strip Mall	774.76	1000sqft	17.79	774,764.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2026
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Areas from site plan. Parking Lot includes surface parking, drive aisles, and walkways. City Park includes landscaped areas

Construction Phase - anticipated schedule

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT - onsite borrow site 0.5 mile, construction debris 10.2 miles, concrete asphalt 30.1 miles

Demolition -

Grading -

Architectural Coating - anticipated schedule. SCAQMD Rule 1113

Vehicle Trips - Construction only

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves -

Area Coating -

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	613,402.00	387,382.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	613,402.00	30,000.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	613,402.00	196,020.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	1,840,206.00	1,162,146.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	1,840,206.00	90,000.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	1,840,206.00	588,060.00
tblArchitecturalCoating	ConstArea_Parking	63,679.00	59,939.00
tblArchitecturalCoating	ConstArea_Parking	63,679.00	10,550.00
tblArchitecturalCoating	ConstArea_Parking	63,679.00	40,385.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	1,098,225.00	695,925.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	1,098,225.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	1,098,225.00	402,300.00
tblArchitecturalCoating	ConstArea_Residential_Interior	3,294,675.00	2,087,775.00
tblArchitecturalCoating	ConstArea_Residential_Interior	3,294,675.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	3,294,675.00	1,206,900.00

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	110.00	65.00
tblConstructionPhase	NumDays	110.00	195.00
tblConstructionPhase	NumDays	110.00	285.00
tblConstructionPhase	NumDays	1,550.00	580.00
tblConstructionPhase	NumDays	1,550.00	499.00
tblConstructionPhase	NumDays	1,550.00	163.00
tblConstructionPhase	NumDays	100.00	65.00
tblConstructionPhase	NumDays	100.00	33.00
tblConstructionPhase	NumDays	100.00	32.00
tblConstructionPhase	NumDays	155.00	45.00
tblConstructionPhase	NumDays	155.00	67.00
tblConstructionPhase	NumDays	110.00	43.00
tblConstructionPhase	NumDays	110.00	120.00
tblConstructionPhase	NumDays	110.00	220.00
tblConstructionPhase	NumDays	60.00	33.00
tblConstructionPhase	NumDays	60.00	65.00
tblConstructionPhase	NumDays	60.00	32.00
tblGrading	MaterialExported	0.00	6,000.00
tblGrading	MaterialExported	0.00	2,000.00
tblGrading	MaterialExported	0.00	700.00

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblLandUse	LandUseSquareFeet	175,830.00	175,833.00
tblLandUse	LandUseSquareFeet	392,680.00	392,677.00
tblLandUse	LandUseSquareFeet	774,760.00	774,764.00
tblTripsAndVMT	HaulingTripLength	20.00	25.00
tblTripsAndVMT	HaulingTripLength	20.00	16.80
tblTripsAndVMT	HaulingTripLength	20.00	0.50
tblTripsAndVMT	HaulingTripLength	20.00	30.10
tblTripsAndVMT	HaulingTripLength	20.00	0.50

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					
2023	44.5182	121.4363	246.7251	0.7501	58.5572	4.6629	61.6070	21.2140	4.3209	25.5348	0.0000	76,239.63 17	76,239.63 17	5.3922	4.1447	77,572.96 69
2024	49.6075	167.6215	289.0428	0.8717	97.0769	5.8709	102.9478	31.0353	5.4535	36.4888	0.0000	88,121.87 93	88,121.87 93	7.3382	4.3481	89,601.07 89
2025	64.2418	44.8573	119.5406	0.3777	31.5978	1.2746	32.8724	8.4614	1.1935	9.6549	0.0000	38,368.08 20	38,368.08 20	1.9136	1.9874	39,008.17 46
2026	63.7481	44.2468	114.4328	0.3688	31.5978	1.2676	32.8653	8.4614	1.1870	9.6484	0.0000	37,457.23 47	37,457.23 47	1.8736	1.9276	38,078.48 77
Maximum	64.2418	167.6215	289.0428	0.8717	97.0769	5.8709	102.9478	31.0353	5.4535	36.4888	0.0000	88,121.87 93	88,121.87 93	7.3382	4.3481	89,601.07 89

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	919.5891	69.0624	1,789.2261	4.2287		249.3127	249.3127		249.3127	249.3127	30,479.9525	58,814.3307	89,294.2832	91.1302	2.0688	92,189.0299
Energy	1.4366	12.6825	8.2046	0.0784		0.9925	0.9925		0.9925	0.9925		15,671.4810	15,671.4810	0.3004	0.2873	15,764.6088
Mobile	112.4548	120.8342	909.1908	2.0223	217.2513	1.5540	218.8053	57.9500	1.4555	59.4054		206,067.4103	206,067.4103	10.9265	10.0945	209,348.7262
Total	1,033.4805	202.5791	2,706.6214	6.3293	217.2513	251.8593	469.1106	57.9500	251.7607	309.7107	30,479.9525	280,553.2220	311,033.1745	102.3571	12.4505	317,302.3649

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	919.5891	69.0624	1,789.2261	4.2287		249.3127	249.3127		249.3127	249.3127	30,479.9525	58,814.3307	89,294.2832	91.1302	2.0688	92,189.0299
Energy	1.4366	12.6825	8.2046	0.0784		0.9925	0.9925		0.9925	0.9925		15,671.4810	15,671.4810	0.3004	0.2873	15,764.6088
Mobile	112.4548	120.8342	909.1908	2.0223	217.2513	1.5540	218.8053	57.9500	1.4555	59.4054		206,067.4103	206,067.4103	10.9265	10.0945	209,348.7262
Total	1,033.4805	202.5791	2,706.6214	6.3293	217.2513	251.8593	469.1106	57.9500	251.7607	309.7107	30,479.9525	280,553.2220	311,033.1745	102.3571	12.4505	317,302.3649

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	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	Demolition	Demolition	1/1/2023	4/1/2023	5	65	
2	Site Preparation	Site Preparation	1/1/2023	4/1/2023	5	65	
3	Building Construction	Building Construction	2/1/2023	12/30/2024	5	499	
4	Grading	Grading	3/1/2023	6/1/2023	5	67	
5	Demolition S2	Demolition	7/1/2023	8/15/2023	5	32	
6	Site Preparation S2	Site Preparation	7/1/2023	8/15/2023	5	32	
7	Building Construction S2	Building Construction	9/1/2023	4/16/2024	5	163	
8	Architectural Coating	Architectural Coating	10/1/2023	11/1/2024	5	285	
9	Paving	Paving	11/1/2023	9/3/2024	5	220	
10	Paving S2	Paving	12/1/2023	1/30/2024	5	43	
11	Demolition S3	Demolition	3/20/2024	5/4/2024	5	33	
12	Site Preparation S3	Site Preparation	3/20/2024	5/4/2024	5	33	
13	Grading S3	Grading	4/15/2024	6/15/2024	5	45	
14	Building Construction S3	Building Construction	6/12/2024	9/1/2026	5	580	
15	Architectural Coating S2	Architectural Coating	11/2/2024	2/1/2025	5	65	
16	Architectural Coating S3	Architectural Coating	6/1/2025	3/1/2026	5	195	
17	Paving S3	Paving	10/29/2025	4/14/2026	5	120	

Acres of Grading (Site Preparation Phase): 97.5

Acres of Grading (Grading Phase): 201

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Acres of Paving: 24.14

Residential Indoor: 1,206,900; Residential Outdoor: 402,300; Non-Residential Indoor: 588,060; Non-Residential Outdoor: 196,020; Striped Parking Area: 40,385 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Demolition S2	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition S2	Excavators	3	8.00	158	0.38
Demolition S2	Rubber Tired Dozers	2	8.00	247	0.40
Demolition S3	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition S3	Excavators	3	8.00	158	0.38
Demolition S3	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation S2	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation S2	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation S3	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation S3	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading S3	Excavators	2	8.00	158	0.38
Grading S3	Graders	1	8.00	187	0.41
Grading S3	Rubber Tired Dozers	1	8.00	247	0.40

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading S3	Scrapers	2	8.00	367	0.48
Grading S3	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Building Construction S2	Cranes	1	7.00	231	0.29
Building Construction S2	Forklifts	3	8.00	89	0.20
Building Construction S2	Generator Sets	1	8.00	84	0.74
Building Construction S2	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction S2	Welders	1	8.00	46	0.45
Building Construction S3	Cranes	1	7.00	231	0.29
Building Construction S3	Forklifts	3	8.00	89	0.20
Building Construction S3	Generator Sets	1	8.00	84	0.74
Building Construction S3	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction S3	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving S2	Pavers	2	8.00	130	0.42
Paving S2	Paving Equipment	2	8.00	132	0.36
Paving S2	Rollers	2	8.00	80	0.38
Paving S3	Pavers	2	8.00	130	0.42
Paving S3	Paving Equipment	2	8.00	132	0.36
Paving S3	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48
Architectural Coating S2	Air Compressors	1	6.00	78	0.48
Architectural Coating S3	Air Compressors	1	6.00	78	0.48

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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
Demolition	6	15.00	0.00	188.00	14.70	6.90	25.00	LD_Mix	HDT_Mix	HHDT
Demolition S2	6	15.00	0.00	430.00	14.70	6.90	30.10	LD_Mix	HDT_Mix	HHDT
Demolition S3	6	15.00	0.00	1,306.00	14.70	6.90	16.80	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation S2	7	18.00	0.00	750.00	14.70	6.90	0.50	LD_Mix	HDT_Mix	HHDT
Site Preparation S3	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	250.00	14.70	6.90	0.50	LD_Mix	HDT_Mix	HHDT
Grading S3	8	20.00	0.00	88.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	2,076.00	560.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction S2	9	2,076.00	560.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction S3	9	2,076.00	560.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving S2	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving S3	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	415.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating S2	1	415.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating S3	1	415.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 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					0.6307	0.0000	0.6307	0.0955	0.0000	0.0955			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	0.6307	0.9975	1.6282	0.0955	0.9280	1.0235		3,746.9840	3,746.9840	1.0494		3,773.2183

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	6.9500e-003	0.3466	0.0860	1.9600e-003	0.0633	4.3500e-003	0.0676	0.0173	4.1600e-003	0.0215		209.7855	209.7855	2.9600e-003	0.0331	219.7106
Vendor	0.0000	0.0000	0.0000	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	0.0548	0.0338	0.5488	1.4700e-003	0.1677	7.8000e-004	0.1685	0.0445	7.2000e-004	0.0452		149.0611	149.0611	3.4500e-003	3.5200e-003	150.1959
Total	0.0617	0.3804	0.6349	3.4300e-003	0.2309	5.1300e-003	0.2361	0.0618	4.8800e-003	0.0667		358.8466	358.8466	6.4100e-003	0.0366	369.9065

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2023

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					0.2460	0.0000	0.2460	0.0372	0.0000	0.0372			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	0.2460	0.9975	1.2435	0.0372	0.9280	0.9652	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183

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	6.9500e-003	0.3466	0.0860	1.9600e-003	0.0590	4.3500e-003	0.0633	0.0163	4.1600e-003	0.0205		209.7855	209.7855	2.9600e-003	0.0331	219.7106
Vendor	0.0000	0.0000	0.0000	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	0.0548	0.0338	0.5488	1.4700e-003	0.1546	7.8000e-004	0.1553	0.0413	7.2000e-004	0.0420		149.0611	149.0611	3.4500e-003	3.5200e-003	150.1959
Total	0.0617	0.3804	0.6349	3.4300e-003	0.2135	5.1300e-003	0.2186	0.0575	4.8800e-003	0.0624		358.8466	358.8466	6.4100e-003	0.0366	369.9065

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672		3,687.308 1	3,687.308 1	1.1926		3,717.121 9

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0657	0.0406	0.6586	1.7700e-003	0.2012	9.4000e-004	0.2021	0.0534	8.7000e-004	0.0542		178.8733	178.8733	4.1400e-003	4.2200e-003	180.2350
Total	0.0657	0.0406	0.6586	1.7700e-003	0.2012	9.4000e-004	0.2021	0.0534	8.7000e-004	0.0542		178.8733	178.8733	4.1400e-003	4.2200e-003	180.2350

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2023

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					7.6662	0.0000	7.6662	3.9400	0.0000	3.9400			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	7.6662	1.2660	8.9323	3.9400	1.1647	5.1047	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0657	0.0406	0.6586	1.7700e-003	0.1855	9.4000e-004	0.1864	0.0495	8.7000e-004	0.0504		178.8733	178.8733	4.1400e-003	4.2200e-003	180.2350
Total	0.0657	0.0406	0.6586	1.7700e-003	0.1855	9.4000e-004	0.1864	0.0495	8.7000e-004	0.0504		178.8733	178.8733	4.1400e-003	4.2200e-003	180.2350

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

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	0.0000
Vendor	0.6312	18.2956	7.5333	0.0979	3.5868	0.1593	3.7461	1.0328	0.1524	1.1852		10,375.1761	10,375.1761	0.1058	1.5331	10,834.6969
Worker	7.5799	4.6835	75.9549	0.2041	23.2048	0.1085	23.3133	6.1540	0.0999	6.2539		20,630.0494	20,630.0494	0.4770	0.4870	20,787.1072
Total	8.2111	22.9791	83.4881	0.3020	26.7916	0.2679	27.0595	7.1868	0.2523	7.4391		31,005.2255	31,005.2255	0.5827	2.0202	31,621.8040

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

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	0.0000
Vendor	0.6312	18.2956	7.5333	0.0979	3.3569	0.1593	3.5163	0.9763	0.1524	1.1288		10,375.1761	10,375.1761	0.1058	1.5331	10,834.6969
Worker	7.5799	4.6835	75.9549	0.2041	21.3892	0.1085	21.4977	5.7084	0.0999	5.8083		20,630.0494	20,630.0494	0.4770	0.4870	20,787.1072
Total	8.2111	22.9791	83.4881	0.3020	24.7461	0.2679	25.0140	6.6847	0.2523	6.9370		31,005.2255	31,005.2255	0.5827	2.0202	31,621.8040

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

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	0.0000
Vendor	0.6213	18.2970	7.4469	0.0963	3.5867	0.1583	3.7450	1.0327	0.1514	1.1841		10,215.2724	10,215.2724	0.1095	1.5072	10,667.1671
Worker	7.0640	4.1718	71.0008	0.1976	23.2048	0.1035	23.3083	6.1540	0.0953	6.2493		19,973.3370	19,973.3370	0.4319	0.4525	20,118.9747
Total	7.6853	22.4688	78.4477	0.2939	26.7915	0.2618	27.0533	7.1867	0.2467	7.4334		30,188.6094	30,188.6094	0.5415	1.9597	30,786.1418

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2024

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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

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	0.0000
Vendor	0.6213	18.2970	7.4469	0.0963	3.3568	0.1583	3.5151	0.9763	0.1514	1.1277		10,215.2724	10,215.2724	0.1095	1.5072	10,667.1671
Worker	7.0640	4.1718	71.0008	0.1976	21.3892	0.1035	21.4927	5.7084	0.0953	5.8037		19,973.3370	19,973.3370	0.4319	0.4525	20,118.9747
Total	7.6853	22.4688	78.4477	0.2939	24.7460	0.2618	25.0078	6.6847	0.2467	6.9314		30,188.6094	30,188.6094	0.5415	1.9597	30,786.1418

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 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					9.2074	0.0000	9.2074	3.6543	0.0000	3.6543			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	3.3217	34.5156	28.0512	0.0621	9.2074	1.4245	10.6319	3.6543	1.3105	4.9649		6,011.4777	6,011.4777	1.9442		6,060.0836

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	5.0500e-003	0.0820	0.0692	1.6000e-004	1.7100e-003	1.5000e-004	1.8600e-003	4.8000e-004	1.5000e-004	6.2000e-004		17.3664	17.3664	3.3000e-004	2.7300e-003	18.1892
Vendor	0.0000	0.0000	0.0000	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	0.0730	0.0451	0.7317	1.9700e-003	0.2236	1.0500e-003	0.2246	0.0593	9.6000e-004	0.0603		198.7481	198.7481	4.5900e-003	4.6900e-003	200.2612
Total	0.0781	0.1272	0.8009	2.1300e-003	0.2253	1.2000e-003	0.2265	0.0598	1.1100e-003	0.0609		216.1144	216.1144	4.9200e-003	7.4200e-003	218.4504

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Grading - 2023

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					3.5909	0.0000	3.5909	1.4252	0.0000	1.4252			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	3.3217	34.5156	28.0512	0.0621	3.5909	1.4245	5.0154	1.4252	1.3105	2.7357	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836

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	5.0500e-003	0.0820	0.0692	1.6000e-004	1.6000e-003	1.5000e-004	1.7500e-003	4.5000e-004	1.5000e-004	6.0000e-004		17.3664	17.3664	3.3000e-004	2.7300e-003	18.1892
Vendor	0.0000	0.0000	0.0000	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	0.0730	0.0451	0.7317	1.9700e-003	0.2061	1.0500e-003	0.2071	0.0550	9.6000e-004	0.0560		198.7481	198.7481	4.5900e-003	4.6900e-003	200.2612
Total	0.0781	0.1272	0.8009	2.1300e-003	0.2077	1.2000e-003	0.2089	0.0554	1.1100e-003	0.0566		216.1144	216.1144	4.9200e-003	7.4200e-003	218.4504

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Demolition S2 - 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					2.9235	0.0000	2.9235	0.4427	0.0000	0.4427			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	2.9235	0.9975	3.9210	0.4427	0.9280	1.3706		3,746.9840	3,746.9840	1.0494		3,773.2183

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	0.0352	1.8840	0.4311	0.0109	0.3538	0.0243	0.3781	0.0970	0.0233	0.1202		1,164.5199	1,164.5199	0.0164	0.1835	1,219.6130
Vendor	0.0000	0.0000	0.0000	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	0.0548	0.0338	0.5488	1.4700e-003	0.1677	7.8000e-004	0.1685	0.0445	7.2000e-004	0.0452		149.0611	149.0611	3.4500e-003	3.5200e-003	150.1959
Total	0.0900	1.9178	0.9799	0.0124	0.5215	0.0251	0.5466	0.1415	0.0240	0.1654		1,313.5810	1,313.5810	0.0198	0.1870	1,369.8089

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Demolition S2 - 2023

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					1.1402	0.0000	1.1402	0.1726	0.0000	0.1726			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	1.1402	0.9975	2.1377	0.1726	0.9280	1.1006	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183

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	0.0352	1.8840	0.4311	0.0109	0.3297	0.0243	0.3540	0.0911	0.0233	0.1143		1,164.5199	1,164.5199	0.0164	0.1835	1,219.6130
Vendor	0.0000	0.0000	0.0000	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	0.0548	0.0338	0.5488	1.4700e-003	0.1546	7.8000e-004	0.1553	0.0413	7.2000e-004	0.0420		149.0611	149.0611	3.4500e-003	3.5200e-003	150.1959
Total	0.0900	1.9178	0.9799	0.0124	0.4843	0.0251	0.5094	0.1323	0.0240	0.1563		1,313.5810	1,313.5810	0.0198	0.1870	1,369.8089

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Site Preparation S2 - 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					19.6808	0.0000	19.6808	10.1060	0.0000	10.1060			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	19.6808	1.2660	20.9468	10.1060	1.1647	11.2708		3,687.308 1	3,687.308 1	1.1926		3,717.121 9

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	0.0317	0.5153	0.4345	1.0300e-003	0.0107	9.6000e-004	0.0117	2.9900e-003	9.2000e-004	3.9100e-003		109.0825	109.0825	2.0500e-003	0.0172	114.2510
Vendor	0.0000	0.0000	0.0000	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	0.0657	0.0406	0.6586	1.7700e-003	0.2012	9.4000e-004	0.2021	0.0534	8.7000e-004	0.0542		178.8733	178.8733	4.1400e-003	4.2200e-003	180.2350
Total	0.0974	0.5559	1.0931	2.8000e-003	0.2119	1.9000e-003	0.2139	0.0564	1.7900e-003	0.0581		287.9557	287.9557	6.1900e-003	0.0214	294.4860

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Site Preparation S2 - 2023

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					7.6755	0.0000	7.6755	3.9414	0.0000	3.9414			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	7.6755	1.2660	8.9415	3.9414	1.1647	5.1061	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9

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	0.0317	0.5153	0.4345	1.0300e-003	0.0100	9.6000e-004	0.0110	2.8200e-003	9.2000e-004	3.7400e-003		109.0825	109.0825	2.0500e-003	0.0172	114.2510
Vendor	0.0000	0.0000	0.0000	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	0.0657	0.0406	0.6586	1.7700e-003	0.1855	9.4000e-004	0.1864	0.0495	8.7000e-004	0.0504		178.8733	178.8733	4.1400e-003	4.2200e-003	180.2350
Total	0.0974	0.5559	1.0931	2.8000e-003	0.1955	1.9000e-003	0.1974	0.0523	1.7900e-003	0.0541		287.9557	287.9557	6.1900e-003	0.0214	294.4860

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Building Construction S2 - 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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

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	0.0000
Vendor	0.6312	18.2956	7.5333	0.0979	3.5868	0.1593	3.7461	1.0328	0.1524	1.1852		10,375.1761	10,375.1761	0.1058	1.5331	10,834.6969
Worker	7.5799	4.6835	75.9549	0.2041	23.2048	0.1085	23.3133	6.1540	0.0999	6.2539		20,630.0494	20,630.0494	0.4770	0.4870	20,787.1072
Total	8.2111	22.9791	83.4881	0.3020	26.7916	0.2679	27.0595	7.1868	0.2523	7.4391		31,005.2255	31,005.2255	0.5827	2.0202	31,621.8040

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Building Construction S2 - 2023

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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

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	0.0000
Vendor	0.6312	18.2956	7.5333	0.0979	3.3569	0.1593	3.5163	0.9763	0.1524	1.1288		10,375.1761	10,375.1761	0.1058	1.5331	10,834.6969
Worker	7.5799	4.6835	75.9549	0.2041	21.3892	0.1085	21.4977	5.7084	0.0999	5.8083		20,630.0494	20,630.0494	0.4770	0.4870	20,787.1072
Total	8.2111	22.9791	83.4881	0.3020	24.7461	0.2679	25.0140	6.6847	0.2523	6.9370		31,005.2255	31,005.2255	0.5827	2.0202	31,621.8040

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Building Construction S2 - 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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

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	0.0000
Vendor	0.6213	18.2970	7.4469	0.0963	3.5867	0.1583	3.7450	1.0327	0.1514	1.1841		10,215.2724	10,215.2724	0.1095	1.5072	10,667.1671
Worker	7.0640	4.1718	71.0008	0.1976	23.2048	0.1035	23.3083	6.1540	0.0953	6.2493		19,973.3370	19,973.3370	0.4319	0.4525	20,118.9747
Total	7.6853	22.4688	78.4477	0.2939	26.7915	0.2618	27.0533	7.1867	0.2467	7.4334		30,188.6094	30,188.6094	0.5415	1.9597	30,786.1418

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Building Construction S2 - 2024

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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

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	0.0000
Vendor	0.6213	18.2970	7.4469	0.0963	3.3568	0.1583	3.5151	0.9763	0.1514	1.1277		10,215.2724	10,215.2724	0.1095	1.5072	10,667.1671
Worker	7.0640	4.1718	71.0008	0.1976	21.3892	0.1035	21.4927	5.7084	0.0953	5.8037		19,973.3370	19,973.3370	0.4319	0.4525	20,118.9747
Total	7.6853	22.4688	78.4477	0.2939	24.7460	0.2618	25.0078	6.6847	0.2467	6.9314		30,188.6094	30,188.6094	0.5415	1.9597	30,786.1418

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 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	20.1179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	20.3096	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.5153	0.9363	15.1837	0.0408	4.6387	0.0217	4.6604	1.2302	0.0200	1.2502		4,124.0224	4,124.0224	0.0953	0.0974	4,155.4188
Total	1.5153	0.9363	15.1837	0.0408	4.6387	0.0217	4.6604	1.2302	0.0200	1.2502		4,124.0224	4,124.0224	0.0953	0.0974	4,155.4188

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Architectural Coating - 2023

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	20.1179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	20.3096	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.5153	0.9363	15.1837	0.0408	4.2758	0.0217	4.2975	1.1411	0.0200	1.1611		4,124.0224	4,124.0224	0.0953	0.0974	4,155.4188
Total	1.5153	0.9363	15.1837	0.0408	4.2758	0.0217	4.2975	1.1411	0.0200	1.1611		4,124.0224	4,124.0224	0.0953	0.0974	4,155.4188

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 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	20.1179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	20.2987	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.4121	0.8340	14.1933	0.0395	4.6387	0.0207	4.6594	1.2302	0.0191	1.2493		3,992.7432	3,992.7432	0.0863	0.0905	4,021.8567
Total	1.4121	0.8340	14.1933	0.0395	4.6387	0.0207	4.6594	1.2302	0.0191	1.2493		3,992.7432	3,992.7432	0.0863	0.0905	4,021.8567

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Architectural Coating - 2024

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	20.1179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	20.2987	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.4121	0.8340	14.1933	0.0395	4.2758	0.0207	4.2965	1.1411	0.0191	1.1602		3,992.7432	3,992.7432	0.0863	0.0905	4,021.8567
Total	1.4121	0.8340	14.1933	0.0395	4.2758	0.0207	4.2965	1.1411	0.0191	1.1602		3,992.7432	3,992.7432	0.0863	0.0905	4,021.8567

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.1554					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1882	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0548	0.0338	0.5488	1.4700e-003	0.1677	7.8000e-004	0.1685	0.0445	7.2000e-004	0.0452		149.0611	149.0611	3.4500e-003	3.5200e-003	150.1959
Total	0.0548	0.0338	0.5488	1.4700e-003	0.1677	7.8000e-004	0.1685	0.0445	7.2000e-004	0.0452		149.0611	149.0611	3.4500e-003	3.5200e-003	150.1959

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Paving - 2023

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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.584 1	2,207.584 1	0.7140		2,225.433 6
Paving	0.1554					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1882	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.584 1	2,207.584 1	0.7140		2,225.433 6

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0548	0.0338	0.5488	1.4700e-003	0.1546	7.8000e-004	0.1553	0.0413	7.2000e-004	0.0420		149.0611	149.0611	3.4500e-003	3.5200e-003	150.1959
Total	0.0548	0.0338	0.5488	1.4700e-003	0.1546	7.8000e-004	0.1553	0.0413	7.2000e-004	0.0420		149.0611	149.0611	3.4500e-003	3.5200e-003	150.1959

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.1554					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1436	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0510	0.0301	0.5130	1.4300e-003	0.1677	7.5000e-004	0.1684	0.0445	6.9000e-004	0.0452		144.3160	144.3160	3.1200e-003	3.2700e-003	145.3683
Total	0.0510	0.0301	0.5130	1.4300e-003	0.1677	7.5000e-004	0.1684	0.0445	6.9000e-004	0.0452		144.3160	144.3160	3.1200e-003	3.2700e-003	145.3683

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Paving - 2024

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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.1554					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1436	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0510	0.0301	0.5130	1.4300e-003	0.1546	7.5000e-004	0.1553	0.0413	6.9000e-004	0.0419		144.3160	144.3160	3.1200e-003	3.2700e-003	145.3683
Total	0.0510	0.0301	0.5130	1.4300e-003	0.1546	7.5000e-004	0.1553	0.0413	6.9000e-004	0.0419		144.3160	144.3160	3.1200e-003	3.2700e-003	145.3683

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.11 Paving S2 - 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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.7951					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.8279	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0548	0.0338	0.5488	1.4700e-003	0.1677	7.8000e-004	0.1685	0.0445	7.2000e-004	0.0452		149.0611	149.0611	3.4500e-003	3.5200e-003	150.1959
Total	0.0548	0.0338	0.5488	1.4700e-003	0.1677	7.8000e-004	0.1685	0.0445	7.2000e-004	0.0452		149.0611	149.0611	3.4500e-003	3.5200e-003	150.1959

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.11 Paving S2 - 2023

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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.584 1	2,207.584 1	0.7140		2,225.433 6
Paving	0.7951					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.8279	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.584 1	2,207.584 1	0.7140		2,225.433 6

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0548	0.0338	0.5488	1.4700e-003	0.1546	7.8000e-004	0.1553	0.0413	7.2000e-004	0.0420		149.0611	149.0611	3.4500e-003	3.5200e-003	150.1959
Total	0.0548	0.0338	0.5488	1.4700e-003	0.1546	7.8000e-004	0.1553	0.0413	7.2000e-004	0.0420		149.0611	149.0611	3.4500e-003	3.5200e-003	150.1959

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.11 Paving S2 - 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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.7951					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7833	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0510	0.0301	0.5130	1.4300e-003	0.1677	7.5000e-004	0.1684	0.0445	6.9000e-004	0.0452		144.3160	144.3160	3.1200e-003	3.2700e-003	145.3683
Total	0.0510	0.0301	0.5130	1.4300e-003	0.1677	7.5000e-004	0.1684	0.0445	6.9000e-004	0.0452		144.3160	144.3160	3.1200e-003	3.2700e-003	145.3683

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.11 Paving S2 - 2024

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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.7951					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7833	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0510	0.0301	0.5130	1.4300e-003	0.1546	7.5000e-004	0.1553	0.0413	6.9000e-004	0.0419		144.3160	144.3160	3.1200e-003	3.2700e-003	145.3683
Total	0.0510	0.0301	0.5130	1.4300e-003	0.1546	7.5000e-004	0.1553	0.0413	6.9000e-004	0.0419		144.3160	144.3160	3.1200e-003	3.2700e-003	145.3683

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.12 Demolition S3 - 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					
Fugitive Dust					8.6163	0.0000	8.6163	1.3046	0.0000	1.3046			0.0000			0.0000
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922		3,747.4228	3,747.4228	1.0485		3,773.6345
Total	2.2437	20.8781	19.7073	0.0388	8.6163	0.9602	9.5765	1.3046	0.8922	2.1968		3,747.4228	3,747.4228	1.0485		3,773.6345

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	0.0810	3.4554	1.0388	0.0182	0.5819	0.0399	0.6218	0.1596	0.0382	0.1977		1,939.2338	1,939.2338	0.0297	0.3056	2,031.0542
Vendor	0.0000	0.0000	0.0000	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	0.0510	0.0301	0.5130	1.4300e-003	0.1677	7.5000e-004	0.1684	0.0445	6.9000e-004	0.0452		144.3160	144.3160	3.1200e-003	3.2700e-003	145.3683
Total	0.1320	3.4856	1.5518	0.0196	0.7496	0.0407	0.7903	0.2040	0.0389	0.2429		2,083.5498	2,083.5498	0.0328	0.3089	2,176.4225

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.12 Demolition S3 - 2024

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					3.3604	0.0000	3.3604	0.5088	0.0000	0.5088			0.0000			0.0000
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345
Total	2.2437	20.8781	19.7073	0.0388	3.3604	0.9602	4.3205	0.5088	0.8922	1.4010	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345

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	0.0810	3.4554	1.0388	0.0182	0.5424	0.0399	0.5823	0.1498	0.0382	0.1880		1,939.2338	1,939.2338	0.0297	0.3056	2,031.0542
Vendor	0.0000	0.0000	0.0000	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	0.0510	0.0301	0.5130	1.4300e-003	0.1546	7.5000e-004	0.1553	0.0413	6.9000e-004	0.0419		144.3160	144.3160	3.1200e-003	3.2700e-003	145.3683
Total	0.1320	3.4856	1.5518	0.0196	0.6969	0.0407	0.7376	0.1911	0.0389	0.2300		2,083.5498	2,083.5498	0.0328	0.3089	2,176.4225

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.13 Site Preparation S3 - 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					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310		3,688.0100	3,688.0100	1.1928		3,717.8294
Total	2.6609	27.1760	18.3356	0.0381	19.6570	1.2294	20.8864	10.1025	1.1310	11.2335		3,688.0100	3,688.0100	1.1928		3,717.8294

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0613	0.0362	0.6156	1.7100e-003	0.2012	9.0000e-004	0.2021	0.0534	8.3000e-004	0.0542		173.1792	173.1792	3.7500e-003	3.9200e-003	174.4420
Total	0.0613	0.0362	0.6156	1.7100e-003	0.2012	9.0000e-004	0.2021	0.0534	8.3000e-004	0.0542		173.1792	173.1792	3.7500e-003	3.9200e-003	174.4420

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.13 Site Preparation S3 - 2024

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					7.6662	0.0000	7.6662	3.9400	0.0000	3.9400			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310	0.0000	3,688.010 0	3,688.010 0	1.1928		3,717.829 4
Total	2.6609	27.1760	18.3356	0.0381	7.6662	1.2294	8.8956	3.9400	1.1310	5.0710	0.0000	3,688.010 0	3,688.010 0	1.1928		3,717.829 4

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0613	0.0362	0.6156	1.7100e-003	0.1855	9.0000e-004	0.1864	0.0495	8.3000e-004	0.0503		173.1792	173.1792	3.7500e-003	3.9200e-003	174.4420
Total	0.0613	0.0362	0.6156	1.7100e-003	0.1855	9.0000e-004	0.1864	0.0495	8.3000e-004	0.0503		173.1792	173.1792	3.7500e-003	3.9200e-003	174.4420

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.14 Grading S3 - 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					
Fugitive Dust					9.2056	0.0000	9.2056	3.6541	0.0000	3.6541			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286		6,009.7487	6,009.7487	1.9437		6,058.3405
Total	3.2181	32.3770	27.7228	0.0621	9.2056	1.3354	10.5410	3.6541	1.2286	4.8826		6,009.7487	6,009.7487	1.9437		6,058.3405

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	4.2700e-003	0.1958	0.0543	1.0600e-003	0.0342	2.3400e-003	0.0366	9.3800e-003	2.2400e-003	0.0116		112.8765	112.8765	1.7200e-003	0.0178	118.2210
Vendor	0.0000	0.0000	0.0000	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	0.0681	0.0402	0.6840	1.9000e-003	0.2236	1.0000e-003	0.2246	0.0593	9.2000e-004	0.0602		192.4214	192.4214	4.1600e-003	4.3600e-003	193.8244
Total	0.0723	0.2360	0.7383	2.9600e-003	0.2578	3.3400e-003	0.2611	0.0687	3.1600e-003	0.0718		305.2979	305.2979	5.8800e-003	0.0222	312.0454

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.14 Grading S3 - 2024

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					3.5902	0.0000	3.5902	1.4251	0.0000	1.4251			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286	0.0000	6,009.7487	6,009.7487	1.9437		6,058.3405
Total	3.2181	32.3770	27.7228	0.0621	3.5902	1.3354	4.9256	1.4251	1.2286	2.6537	0.0000	6,009.7487	6,009.7487	1.9437		6,058.3405

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	4.2700e-003	0.1958	0.0543	1.0600e-003	0.0319	2.3400e-003	0.0342	8.8100e-003	2.2400e-003	0.0111		112.8765	112.8765	1.7200e-003	0.0178	118.2210
Vendor	0.0000	0.0000	0.0000	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	0.0681	0.0402	0.6840	1.9000e-003	0.2061	1.0000e-003	0.2071	0.0550	9.2000e-004	0.0559		192.4214	192.4214	4.1600e-003	4.3600e-003	193.8244
Total	0.0723	0.2360	0.7383	2.9600e-003	0.2380	3.3400e-003	0.2413	0.0638	3.1600e-003	0.0670		305.2979	305.2979	5.8800e-003	0.0222	312.0454

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.15 Building Construction S3 - 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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

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	0.0000
Vendor	0.6213	18.2970	7.4469	0.0963	3.5867	0.1583	3.7450	1.0327	0.1514	1.1841		10,215.2724	10,215.2724	0.1095	1.5072	10,667.1671
Worker	7.0640	4.1718	71.0008	0.1976	23.2048	0.1035	23.3083	6.1540	0.0953	6.2493		19,973.3370	19,973.3370	0.4319	0.4525	20,118.9747
Total	7.6853	22.4688	78.4477	0.2939	26.7915	0.2618	27.0533	7.1867	0.2467	7.4334		30,188.6094	30,188.6094	0.5415	1.9597	30,786.1418

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.15 Building Construction S3 - 2024

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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

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	0.0000
Vendor	0.6213	18.2970	7.4469	0.0963	3.3568	0.1583	3.5151	0.9763	0.1514	1.1277		10,215.2724	10,215.2724	0.1095	1.5072	10,667.1671
Worker	7.0640	4.1718	71.0008	0.1976	21.3892	0.1035	21.4927	5.7084	0.0953	5.8037		19,973.3370	19,973.3370	0.4319	0.4525	20,118.9747
Total	7.6853	22.4688	78.4477	0.2939	24.7460	0.2618	25.0078	6.6847	0.2467	6.9314		30,188.6094	30,188.6094	0.5415	1.9597	30,786.1418

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.15 Building Construction S3 - 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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.0000
Vendor	0.6131	18.1466	7.3628	0.0946	3.5867	0.1584	3.7451	1.0327	0.1515	1.1842		10,035.20 53	10,035.20 53	0.1136	1.4777	10,478.40 24
Worker	6.5999	3.7394	66.0294	0.1909	23.2048	0.0982	23.3030	6.1540	0.0904	6.2444		19,292.22 75	19,292.22 75	0.3894	0.4223	19,427.79 32
Total	7.2130	21.8859	73.3922	0.2854	26.7915	0.2566	27.0481	7.1867	0.2419	7.4287		29,327.43 28	29,327.43 28	0.5030	1.9000	29,906.19 56

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.15 Building Construction S3 - 2025

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.0000
Vendor	0.6131	18.1466	7.3628	0.0946	3.3568	0.1584	3.5152	0.9763	0.1515	1.1278		10,035.20 53	10,035.20 53	0.1136	1.4777	10,478.40 24
Worker	6.5999	3.7394	66.0294	0.1909	21.3892	0.0982	21.4874	5.7084	0.0904	5.7988		19,292.22 75	19,292.22 75	0.3894	0.4223	19,427.79 32
Total	7.2130	21.8859	73.3922	0.2854	24.7459	0.2566	25.0026	6.6846	0.2419	6.9266		29,327.43 28	29,327.43 28	0.5030	1.9000	29,906.19 56

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.15 Building Construction S3 - 2026

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.0000
Vendor	0.6057	17.9648	7.2923	0.0928	3.5866	0.1577	3.7443	1.0327	0.1509	1.1836		9,852.624 9	9,852.624 9	0.1176	1.4480	10,287.07 28
Worker	6.1970	3.3842	61.8565	0.1849	23.2048	0.0930	23.2978	6.1540	0.0856	6.2396		18,688.92 27	18,688.92 27	0.3529	0.3973	18,816.12 93
Total	6.8028	21.3490	69.1488	0.2777	26.7914	0.2507	27.0421	7.1867	0.2365	7.4232		28,541.54 75	28,541.54 75	0.4705	1.8453	29,103.20 21

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.15 Building Construction S3 - 2026

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.0000
Vendor	0.6057	17.9648	7.2923	0.0928	3.3567	0.1577	3.5144	0.9763	0.1509	1.1271		9,852.624 9	9,852.624 9	0.1176	1.4480	10,287.07 28
Worker	6.1970	3.3842	61.8565	0.1849	21.3892	0.0930	21.4821	5.7084	0.0856	5.7939		18,688.92 27	18,688.92 27	0.3529	0.3973	18,816.12 93
Total	6.8028	21.3490	69.1488	0.2777	24.7459	0.2507	24.9966	6.6846	0.2365	6.9211		28,541.54 75	28,541.54 75	0.4705	1.8453	29,103.20 21

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.16 Architectural Coating S2 - 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	5.0308					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	5.2115	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.4121	0.8340	14.1933	0.0395	4.6387	0.0207	4.6594	1.2302	0.0191	1.2493		3,992.7432	3,992.7432	0.0863	0.0905	4,021.8567
Total	1.4121	0.8340	14.1933	0.0395	4.6387	0.0207	4.6594	1.2302	0.0191	1.2493		3,992.7432	3,992.7432	0.0863	0.0905	4,021.8567

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.16 Architectural Coating S2 - 2024

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	5.0308					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	5.2115	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.4121	0.8340	14.1933	0.0395	4.2758	0.0207	4.2965	1.1411	0.0191	1.1602		3,992.7432	3,992.7432	0.0863	0.0905	4,021.8567
Total	1.4121	0.8340	14.1933	0.0395	4.2758	0.0207	4.2965	1.1411	0.0191	1.1602		3,992.7432	3,992.7432	0.0863	0.0905	4,021.8567

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.16 Architectural Coating S2 - 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	5.0308					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	5.2016	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.3193	0.7475	13.1995	0.0382	4.6387	0.0196	4.6584	1.2302	0.0181	1.2483		3,856.5869	3,856.5869	0.0778	0.0844	3,883.6870
Total	1.3193	0.7475	13.1995	0.0382	4.6387	0.0196	4.6584	1.2302	0.0181	1.2483		3,856.5869	3,856.5869	0.0778	0.0844	3,883.6870

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.16 Architectural Coating S2 - 2025

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	5.0308					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	5.2016	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.3193	0.7475	13.1995	0.0382	4.2758	0.0196	4.2954	1.1411	0.0181	1.1592		3,856.5869	3,856.5869	0.0778	0.0844	3,883.6870
Total	1.3193	0.7475	13.1995	0.0382	4.2758	0.0196	4.2954	1.1411	0.0181	1.1592		3,856.5869	3,856.5869	0.0778	0.0844	3,883.6870

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.17 Architectural Coating S3 - 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	52.9235					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	53.0943	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.3193	0.7475	13.1995	0.0382	4.6387	0.0196	4.6584	1.2302	0.0181	1.2483		3,856.5869	3,856.5869	0.0778	0.0844	3,883.6870
Total	1.3193	0.7475	13.1995	0.0382	4.6387	0.0196	4.6584	1.2302	0.0181	1.2483		3,856.5869	3,856.5869	0.0778	0.0844	3,883.6870

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.17 Architectural Coating S3 - 2025

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	52.9235					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	53.0943	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.3193	0.7475	13.1995	0.0382	4.2758	0.0196	4.2954	1.1411	0.0181	1.1592		3,856.5869	3,856.5869	0.0778	0.0844	3,883.6870
Total	1.3193	0.7475	13.1995	0.0382	4.2758	0.0196	4.2954	1.1411	0.0181	1.1592		3,856.5869	3,856.5869	0.0778	0.0844	3,883.6870

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.17 Architectural Coating S3 - 2026

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	52.9235					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	53.0943	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.2388	0.6765	12.3654	0.0370	4.6387	0.0186	4.6573	1.2302	0.0171	1.2473		3,735.9841	3,735.9841	0.0705	0.0794	3,761.4131
Total	1.2388	0.6765	12.3654	0.0370	4.6387	0.0186	4.6573	1.2302	0.0171	1.2473		3,735.9841	3,735.9841	0.0705	0.0794	3,761.4131

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.17 Architectural Coating S3 - 2026

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	52.9235					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	53.0943	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.2388	0.6765	12.3654	0.0370	4.2758	0.0186	4.2944	1.1411	0.0171	1.1582		3,735.9841	3,735.9841	0.0705	0.0794	3,761.4131
Total	1.2388	0.6765	12.3654	0.0370	4.2758	0.0186	4.2944	1.1411	0.0171	1.1582		3,735.9841	3,735.9841	0.0705	0.0794	3,761.4131

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.18 Paving S3 - 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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.2849					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2001	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0477	0.0270	0.4771	1.3800e-003	0.1677	7.1000e-004	0.1684	0.0445	6.5000e-004	0.0451		139.3947	139.3947	2.8100e-003	3.0500e-003	140.3742
Total	0.0477	0.0270	0.4771	1.3800e-003	0.1677	7.1000e-004	0.1684	0.0445	6.5000e-004	0.0451		139.3947	139.3947	2.8100e-003	3.0500e-003	140.3742

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.18 Paving S3 - 2025

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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.2849					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2001	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0477	0.0270	0.4771	1.3800e-003	0.1546	7.1000e-004	0.1553	0.0413	6.5000e-004	0.0419		139.3947	139.3947	2.8100e-003	3.0500e-003	140.3742
Total	0.0477	0.0270	0.4771	1.3800e-003	0.1546	7.1000e-004	0.1553	0.0413	6.5000e-004	0.0419		139.3947	139.3947	2.8100e-003	3.0500e-003	140.3742

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.18 Paving S3 - 2026

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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.2849					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2001	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0448	0.0245	0.4469	1.3400e-003	0.1677	6.7000e-004	0.1683	0.0445	6.2000e-004	0.0451		135.0356	135.0356	2.5500e-003	2.8700e-003	135.9547
Total	0.0448	0.0245	0.4469	1.3400e-003	0.1677	6.7000e-004	0.1683	0.0445	6.2000e-004	0.0451		135.0356	135.0356	2.5500e-003	2.8700e-003	135.9547

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.18 Paving S3 - 2026

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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.2849					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2001	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0448	0.0245	0.4469	1.3400e-003	0.1546	6.7000e-004	0.1552	0.0413	6.2000e-004	0.0419		135.0356	135.0356	2.5500e-003	2.8700e-003	135.9547
Total	0.0448	0.0245	0.4469	1.3400e-003	0.1546	6.7000e-004	0.1552	0.0413	6.2000e-004	0.0419		135.0356	135.0356	2.5500e-003	2.8700e-003	135.9547

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	112.4548	120.8342	909.1908	2.0223	217.2513	1.5540	218.8053	57.9500	1.4555	59.4054		206,067.4103	206,067.4103	10.9265	10.0945	209,348.7262
Unmitigated	112.4548	120.8342	909.1908	2.0223	217.2513	1.5540	218.8053	57.9500	1.4555	59.4054		206,067.4103	206,067.4103	10.9265	10.0945	209,348.7262

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	3,242.24	2,926.36	2437.64	10,532,248	10,532,248
Apartments Mid Rise	5,608.64	5,062.21	4216.79	18,219,375	18,219,375
City Park	1.15	2.90	3.24	4,898	4,898
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	584.40	132.60	42.00	1,425,082	1,425,082
Hotel	2,257.20	2,211.30	1606.50	5,148,607	5,148,607
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Strip Mall	34,337.36	32,570.91	15828.35	59,819,245	59,819,245
Total	46,031.00	42,906.28	24,134.52	95,149,455	95,149,455

4.3 Trip Type Information

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Land Use	Miles			Trip %			Trip Purpose %		
	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	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Apartments Mid Rise	14.70	5.90	8.70	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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.542916	0.056689	0.174450	0.134041	0.024680	0.006960	0.011589	0.018600	0.000608	0.000298	0.023389	0.001091	0.004689
City Park	0.542916	0.056689	0.174450	0.134041	0.024680	0.006960	0.011589	0.018600	0.000608	0.000298	0.023389	0.001091	0.004689
Enclosed Parking with Elevator	0.542916	0.056689	0.174450	0.134041	0.024680	0.006960	0.011589	0.018600	0.000608	0.000298	0.023389	0.001091	0.004689
General Office Building	0.542916	0.056689	0.174450	0.134041	0.024680	0.006960	0.011589	0.018600	0.000608	0.000298	0.023389	0.001091	0.004689
Hotel	0.542916	0.056689	0.174450	0.134041	0.024680	0.006960	0.011589	0.018600	0.000608	0.000298	0.023389	0.001091	0.004689
Parking Lot	0.542916	0.056689	0.174450	0.134041	0.024680	0.006960	0.011589	0.018600	0.000608	0.000298	0.023389	0.001091	0.004689
Strip Mall	0.542916	0.056689	0.174450	0.134041	0.024680	0.006960	0.011589	0.018600	0.000608	0.000298	0.023389	0.001091	0.004689

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Natural Gas Mitigated	1.4366	12.6825	8.2046	0.0784		0.9925	0.9925		0.9925	0.9925		15,671.4810	15,671.4810	0.3004	0.2873	15,764.6088
Natural Gas Unmitigated	1.4366	12.6825	8.2046	0.0784		0.9925	0.9925		0.9925	0.9925		15,671.4810	15,671.4810	0.3004	0.2873	15,764.6088

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	23484.3	0.2533	2.1642	0.9210	0.0138		0.1750	0.1750		0.1750	0.1750		2,762.8601	2,762.8601	0.0530	0.0507	2,779.2784
Apartments Mid Rise	40624.7	0.4381	3.7439	1.5931	0.0239		0.3027	0.3027		0.3027	0.3027		4,779.3770	4,779.3770	0.0916	0.0876	4,807.7785
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
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
General Office Building	563.836	6.0800e-003	0.0553	0.0464	3.3000e-004		4.2000e-003	4.2000e-003		4.2000e-003	4.2000e-003		66.3336	66.3336	1.2700e-003	1.2200e-003	66.7278
Hotel	63864.9	0.6887	6.2613	5.2595	0.0376		0.4759	0.4759		0.4759	0.4759		7,513.5208	7,513.5208	0.1440	0.1378	7,558.1699
Parking Lot	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
Strip Mall	4669.81	0.0504	0.4578	0.3846	2.7500e-003		0.0348	0.0348		0.0348	0.0348		549.3895	549.3895	0.0105	0.0101	552.6542
Total		1.4366	12.6825	8.2045	0.0784		0.9925	0.9925		0.9925	0.9925		15,671.4810	15,671.4810	0.3004	0.2873	15,764.6088

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

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	23.4843	0.2533	2.1642	0.9210	0.0138		0.1750	0.1750		0.1750	0.1750		2,762.8601	2,762.8601	0.0530	0.0507	2,779.2784
Apartments Mid Rise	40.6247	0.4381	3.7439	1.5931	0.0239		0.3027	0.3027		0.3027	0.3027		4,779.3770	4,779.3770	0.0916	0.0876	4,807.7785
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
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
General Office Building	0.563836	6.0800e-003	0.0553	0.0464	3.3000e-004		4.2000e-003	4.2000e-003		4.2000e-003	4.2000e-003		66.3336	66.3336	1.2700e-003	1.2200e-003	66.7278
Hotel	63.8649	0.6887	6.2613	5.2595	0.0376		0.4759	0.4759		0.4759	0.4759		7,513.5208	7,513.5208	0.1440	0.1378	7,558.1699
Parking Lot	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
Strip Mall	4.66981	0.0504	0.4578	0.3846	2.7500e-003		0.0348	0.0348		0.0348	0.0348		549.3895	549.3895	0.0105	0.0101	552.6542
Total		1.4366	12.6825	8.2045	0.0784		0.9925	0.9925		0.9925	0.9925		15,671.4810	15,671.4810	0.3004	0.2873	15,764.6088

6.0 Area Detail

6.1 Mitigation Measures Area

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	919.5891	69.0624	1,789.2261	4.2287		249.3127	249.3127		249.3127	249.3127	30,479.9525	58,814.3307	89,294.2832	91.1302	2.0688	92,189.0299
Unmitigated	919.5891	69.0624	1,789.2261	4.2287		249.3127	249.3127		249.3127	249.3127	30,479.9525	58,814.3307	89,294.2832	91.1302	2.0688	92,189.0299

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	5.9858					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	56.8846					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	852.6651	67.5150	1,654.8277	4.2216		248.5676	248.5676		248.5676	248.5676	30,479.9525	58,572.0000	89,051.9525	90.8971	2.0688	91,940.8715
Landscaping	4.0536	1.5474	134.3984	7.1100e-003		0.7452	0.7452		0.7452	0.7452		242.3307	242.3307	0.2331		248.1584
Total	919.5891	69.0624	1,789.2261	4.2287		249.3127	249.3127		249.3127	249.3127	30,479.9525	58,814.3307	89,294.2832	91.1302	2.0688	92,189.0299

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

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	5.9858					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	56.8846					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	852.6651	67.5150	1,654.8277	4.2216		248.5676	248.5676		248.5676	248.5676	30,479.9525	58,572.0000	89,051.9525	90.8971	2.0688	91,940.8715
Landscaping	4.0536	1.5474	134.3984	7.1100e-003		0.7452	0.7452		0.7452	0.7452		242.3307	242.3307	0.2331		248.1584
Total	919.5891	69.0624	1,789.2261	4.2287		249.3127	249.3127		249.3127	249.3127	30,479.9525	58,814.3307	89,294.2832	91.1302	2.0688	92,189.0299

7.0 Water Detail

7.1 Mitigation Measures Water

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Moreno Valley Mall - Construction Only - no mitigation

Riverside-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	60.00	1000sqft	1.38	60,000.00	0
Enclosed Parking with Elevator	531.00	Space	4.78	212,400.00	0
Enclosed Parking with Elevator	701.00	Space	6.31	280,400.00	0
Parking Lot	392.68	1000sqft	9.01	392,677.00	0
Parking Lot	175.83	1000sqft	4.04	175,833.00	0
City Park	1.48	Acre	1.48	64,468.80	0
Hotel	270.00	Room	9.00	392,040.00	0
Apartments Mid Rise	596.00	Dwelling Unit	15.68	596,000.00	1705
Apartments Mid Rise	1,031.00	Dwelling Unit	27.13	1,031,000.00	2949
Strip Mall	774.76	1000sqft	17.79	774,764.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2026
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	390.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Areas from site plan. Parking Lot includes surface parking, drive aisles, and walkways. City Park includes landscaped areas

Construction Phase - anticipated schedule

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT - onsite borrow site 0.5 mile, construction debris 10.2 miles, concrete asphalt 30.1 miles

Demolition -

Grading -

Architectural Coating - anticipated schedule. SCAQMD Rule 1113

Vehicle Trips - Construction only

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves -

Area Coating -

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	613,402.00	387,382.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	613,402.00	30,000.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	613,402.00	196,020.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	1,840,206.00	1,162,146.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	1,840,206.00	90,000.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	1,840,206.00	588,060.00
tblArchitecturalCoating	ConstArea_Parking	63,679.00	59,939.00
tblArchitecturalCoating	ConstArea_Parking	63,679.00	10,550.00
tblArchitecturalCoating	ConstArea_Parking	63,679.00	40,385.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	1,098,225.00	695,925.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	1,098,225.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	1,098,225.00	402,300.00
tblArchitecturalCoating	ConstArea_Residential_Interior	3,294,675.00	2,087,775.00
tblArchitecturalCoating	ConstArea_Residential_Interior	3,294,675.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	3,294,675.00	1,206,900.00

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	110.00	65.00
tblConstructionPhase	NumDays	110.00	195.00
tblConstructionPhase	NumDays	110.00	285.00
tblConstructionPhase	NumDays	1,550.00	580.00
tblConstructionPhase	NumDays	1,550.00	499.00
tblConstructionPhase	NumDays	1,550.00	163.00
tblConstructionPhase	NumDays	100.00	65.00
tblConstructionPhase	NumDays	100.00	33.00
tblConstructionPhase	NumDays	100.00	32.00
tblConstructionPhase	NumDays	155.00	45.00
tblConstructionPhase	NumDays	155.00	67.00
tblConstructionPhase	NumDays	110.00	43.00
tblConstructionPhase	NumDays	110.00	120.00
tblConstructionPhase	NumDays	110.00	220.00
tblConstructionPhase	NumDays	60.00	33.00
tblConstructionPhase	NumDays	60.00	65.00
tblConstructionPhase	NumDays	60.00	32.00
tblGrading	MaterialExported	0.00	6,000.00
tblGrading	MaterialExported	0.00	2,000.00
tblGrading	MaterialExported	0.00	700.00

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblLandUse	LandUseSquareFeet	175,830.00	175,833.00
tblLandUse	LandUseSquareFeet	392,680.00	392,677.00
tblLandUse	LandUseSquareFeet	774,760.00	774,764.00
tblTripsAndVMT	HaulingTripLength	20.00	25.00
tblTripsAndVMT	HaulingTripLength	20.00	16.80
tblTripsAndVMT	HaulingTripLength	20.00	0.50
tblTripsAndVMT	HaulingTripLength	20.00	30.10
tblTripsAndVMT	HaulingTripLength	20.00	0.50

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					
2023	43.3722	122.7513	215.6155	0.7082	58.5572	4.6635	61.6080	21.2140	4.3214	25.5354	0.0000	72,001.35 15	72,001.35 15	5.3884	4.1802	73,345.07 36
2024	48.5631	170.4057	259.8345	0.8308	97.0769	5.8720	102.9489	31.0353	5.4546	36.4899	0.0000	83,996.84 84	83,996.84 84	7.3323	4.3821	85,486.02 60
2025	63.7397	46.1235	104.9236	0.3564	31.5978	1.2751	32.8729	8.4614	1.1940	9.6554	0.0000	36,216.06 20	36,216.06 20	1.9122	2.0040	36,861.06 01
2026	63.2955	45.4861	100.8132	0.3481	31.5978	1.2681	32.8658	8.4614	1.1875	9.6488	0.0000	35,377.21 21	35,377.21 21	1.8731	1.9432	36,003.12 80
Maximum	63.7397	170.4057	259.8345	0.8308	97.0769	5.8720	102.9489	31.0353	5.4546	36.4899	0.0000	83,996.84 84	83,996.84 84	7.3323	4.3821	85,486.02 60

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	919.5891	69.0624	1,789.2261	4.2287		249.3127	249.3127		249.3127	249.3127	30,479.9525	58,814.3307	89,294.2832	91.1302	2.0688	92,189.0299
Energy	1.4366	12.6825	8.2046	0.0784		0.9925	0.9925		0.9925	0.9925		15,671.4810	15,671.4810	0.3004	0.2873	15,764.6088
Mobile	93.0486	128.3400	823.5223	1.8801	217.2513	1.5556	218.8069	57.9500	1.4570	59.4069		191,709.9645	191,709.9645	11.3470	10.3124	195,066.7429
Total	1,014.0742	210.0848	2,620.9529	6.1872	217.2513	251.8609	469.1121	57.9500	251.7622	309.7122	30,479.9525	266,195.7763	296,675.7288	102.7775	12.6685	303,020.3815

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	919.5891	69.0624	1,789.2261	4.2287		249.3127	249.3127		249.3127	249.3127	30,479.9525	58,814.3307	89,294.2832	91.1302	2.0688	92,189.0299
Energy	1.4366	12.6825	8.2046	0.0784		0.9925	0.9925		0.9925	0.9925		15,671.4810	15,671.4810	0.3004	0.2873	15,764.6088
Mobile	93.0486	128.3400	823.5223	1.8801	217.2513	1.5556	218.8069	57.9500	1.4570	59.4069		191,709.9645	191,709.9645	11.3470	10.3124	195,066.7429
Total	1,014.0742	210.0848	2,620.9529	6.1872	217.2513	251.8609	469.1121	57.9500	251.7622	309.7122	30,479.9525	266,195.7763	296,675.7288	102.7775	12.6685	303,020.3815

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	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	Demolition	Demolition	1/1/2023	4/1/2023	5	65	
2	Site Preparation	Site Preparation	1/1/2023	4/1/2023	5	65	
3	Building Construction	Building Construction	2/1/2023	12/30/2024	5	499	
4	Grading	Grading	3/1/2023	6/1/2023	5	67	
5	Demolition S2	Demolition	7/1/2023	8/15/2023	5	32	
6	Site Preparation S2	Site Preparation	7/1/2023	8/15/2023	5	32	
7	Building Construction S2	Building Construction	9/1/2023	4/16/2024	5	163	
8	Architectural Coating	Architectural Coating	10/1/2023	11/1/2024	5	285	
9	Paving	Paving	11/1/2023	9/3/2024	5	220	
10	Paving S2	Paving	12/1/2023	1/30/2024	5	43	
11	Demolition S3	Demolition	3/20/2024	5/4/2024	5	33	
12	Site Preparation S3	Site Preparation	3/20/2024	5/4/2024	5	33	
13	Grading S3	Grading	4/15/2024	6/15/2024	5	45	
14	Building Construction S3	Building Construction	6/12/2024	9/1/2026	5	580	
15	Architectural Coating S2	Architectural Coating	11/2/2024	2/1/2025	5	65	
16	Architectural Coating S3	Architectural Coating	6/1/2025	3/1/2026	5	195	
17	Paving S3	Paving	10/29/2025	4/14/2026	5	120	

Acres of Grading (Site Preparation Phase): 97.5

Acres of Grading (Grading Phase): 201

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Acres of Paving: 24.14

Residential Indoor: 1,206,900; Residential Outdoor: 402,300; Non-Residential Indoor: 588,060; Non-Residential Outdoor: 196,020; Striped Parking Area: 40,385 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Demolition S2	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition S2	Excavators	3	8.00	158	0.38
Demolition S2	Rubber Tired Dozers	2	8.00	247	0.40
Demolition S3	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition S3	Excavators	3	8.00	158	0.38
Demolition S3	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation S2	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation S2	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation S3	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation S3	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading S3	Excavators	2	8.00	158	0.38
Grading S3	Graders	1	8.00	187	0.41
Grading S3	Rubber Tired Dozers	1	8.00	247	0.40

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading S3	Scrapers	2	8.00	367	0.48
Grading S3	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Building Construction S2	Cranes	1	7.00	231	0.29
Building Construction S2	Forklifts	3	8.00	89	0.20
Building Construction S2	Generator Sets	1	8.00	84	0.74
Building Construction S2	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction S2	Welders	1	8.00	46	0.45
Building Construction S3	Cranes	1	7.00	231	0.29
Building Construction S3	Forklifts	3	8.00	89	0.20
Building Construction S3	Generator Sets	1	8.00	84	0.74
Building Construction S3	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction S3	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving S2	Pavers	2	8.00	130	0.42
Paving S2	Paving Equipment	2	8.00	132	0.36
Paving S2	Rollers	2	8.00	80	0.38
Paving S3	Pavers	2	8.00	130	0.42
Paving S3	Paving Equipment	2	8.00	132	0.36
Paving S3	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48
Architectural Coating S2	Air Compressors	1	6.00	78	0.48
Architectural Coating S3	Air Compressors	1	6.00	78	0.48

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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
Demolition	6	15.00	0.00	188.00	14.70	6.90	25.00	LD_Mix	HDT_Mix	HHDT
Demolition S2	6	15.00	0.00	430.00	14.70	6.90	30.10	LD_Mix	HDT_Mix	HHDT
Demolition S3	6	15.00	0.00	1,306.00	14.70	6.90	16.80	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation S2	7	18.00	0.00	750.00	14.70	6.90	0.50	LD_Mix	HDT_Mix	HHDT
Site Preparation S3	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	250.00	14.70	6.90	0.50	LD_Mix	HDT_Mix	HHDT
Grading S3	8	20.00	0.00	88.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	2,076.00	560.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction S2	9	2,076.00	560.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction S3	9	2,076.00	560.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving S2	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving S3	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	415.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating S2	1	415.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating S3	1	415.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 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					0.6307	0.0000	0.6307	0.0955	0.0000	0.0955			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	0.6307	0.9975	1.6282	0.0955	0.9280	1.0235		3,746.9840	3,746.9840	1.0494		3,773.2183

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	6.4400e-003	0.3668	0.0877	1.9700e-003	0.0633	4.3500e-003	0.0676	0.0173	4.1700e-003	0.0215		210.0510	210.0510	2.9300e-003	0.0331	219.9879
Vendor	0.0000	0.0000	0.0000	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	0.0513	0.0351	0.4456	1.3400e-003	0.1677	7.8000e-004	0.1685	0.0445	7.2000e-004	0.0452		135.0635	135.0635	3.4300e-003	3.6000e-003	136.2226
Total	0.0578	0.4020	0.5334	3.3100e-003	0.2309	5.1300e-003	0.2361	0.0618	4.8900e-003	0.0667		345.1145	345.1145	6.3600e-003	0.0367	356.2106

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2023

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					0.2460	0.0000	0.2460	0.0372	0.0000	0.0372			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	0.2460	0.9975	1.2435	0.0372	0.9280	0.9652	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183

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	6.4400e-003	0.3668	0.0877	1.9700e-003	0.0590	4.3500e-003	0.0633	0.0163	4.1700e-003	0.0205		210.0510	210.0510	2.9300e-003	0.0331	219.9879
Vendor	0.0000	0.0000	0.0000	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	0.0513	0.0351	0.4456	1.3400e-003	0.1546	7.8000e-004	0.1553	0.0413	7.2000e-004	0.0420		135.0635	135.0635	3.4300e-003	3.6000e-003	136.2226
Total	0.0578	0.4020	0.5334	3.3100e-003	0.2135	5.1300e-003	0.2186	0.0575	4.8900e-003	0.0624		345.1145	345.1145	6.3600e-003	0.0367	356.2106

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672		3,687.308 1	3,687.308 1	1.1926		3,717.121 9

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0616	0.0421	0.5348	1.6000e-003	0.2012	9.4000e-004	0.2021	0.0534	8.7000e-004	0.0542		162.0762	162.0762	4.1200e-003	4.3200e-003	163.4672
Total	0.0616	0.0421	0.5348	1.6000e-003	0.2012	9.4000e-004	0.2021	0.0534	8.7000e-004	0.0542		162.0762	162.0762	4.1200e-003	4.3200e-003	163.4672

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2023

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					7.6662	0.0000	7.6662	3.9400	0.0000	3.9400			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	7.6662	1.2660	8.9323	3.9400	1.1647	5.1047	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0616	0.0421	0.5348	1.6000e-003	0.1855	9.4000e-004	0.1864	0.0495	8.7000e-004	0.0504		162.0762	162.0762	4.1200e-003	4.3200e-003	163.4672
Total	0.0616	0.0421	0.5348	1.6000e-003	0.1855	9.4000e-004	0.1864	0.0495	8.7000e-004	0.0504		162.0762	162.0762	4.1200e-003	4.3200e-003	163.4672

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

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	0.0000
Vendor	0.5845	19.4028	7.7869	0.0981	3.5868	0.1599	3.7467	1.0328	0.1530	1.1857		10,400.9247	10,400.9247	0.1037	1.5383	10,861.9148
Worker	7.1046	4.8595	61.6768	0.1849	23.2048	0.1085	23.3133	6.1540	0.0999	6.2539		18,692.7907	18,692.7907	0.4754	0.4985	18,853.2122
Total	7.6891	24.2623	69.4636	0.2830	26.7916	0.2684	27.0600	7.1868	0.2529	7.4396		29,093.7155	29,093.7155	0.5791	2.0367	29,715.1270

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

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	0.0000
Vendor	0.5845	19.4028	7.7869	0.0981	3.3569	0.1599	3.5168	0.9763	0.1530	1.1293		10,400.9247	10,400.9247	0.1037	1.5383	10,861.9148
Worker	7.1046	4.8595	61.6768	0.1849	21.3892	0.1085	21.4977	5.7084	0.0999	5.8083		18,692.7907	18,692.7907	0.4754	0.4985	18,853.2122
Total	7.6891	24.2623	69.4636	0.2830	24.7461	0.2684	25.0145	6.6847	0.2529	6.9376		29,093.7155	29,093.7155	0.5791	2.0367	29,715.1270

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

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	0.0000
Vendor	0.5748	19.4055	7.6998	0.0965	3.5867	0.1588	3.7456	1.0327	0.1519	1.1847		10,240.8016	10,240.8016	0.1074	1.5122	10,694.1301
Worker	6.6412	4.3267	57.6812	0.1791	23.2048	0.1035	23.3083	6.1540	0.0953	6.2493		18,101.1961	18,101.1961	0.4313	0.4630	18,249.9432
Total	7.2159	23.7322	65.3811	0.2756	26.7915	0.2623	27.0539	7.1867	0.2472	7.4340		28,341.9977	28,341.9977	0.5388	1.9752	28,944.0733

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2024

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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

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	0.0000
Vendor	0.5748	19.4055	7.6998	0.0965	3.3568	0.1588	3.5157	0.9763	0.1519	1.1282		10,240.8016	10,240.8016	0.1074	1.5122	10,694.1301
Worker	6.6412	4.3267	57.6812	0.1791	21.3892	0.1035	21.4927	5.7084	0.0953	5.8037		18,101.1961	18,101.1961	0.4313	0.4630	18,249.9432
Total	7.2159	23.7322	65.3811	0.2756	24.7460	0.2623	25.0083	6.6847	0.2472	6.9319		28,341.9977	28,341.9977	0.5388	1.9752	28,944.0733

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 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					9.2074	0.0000	9.2074	3.6543	0.0000	3.6543			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	3.3217	34.5156	28.0512	0.0621	9.2074	1.4245	10.6319	3.6543	1.3105	4.9649		6,011.4777	6,011.4777	1.9442		6,060.0836

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	4.3900e-003	0.0890	0.0714	1.7000e-004	1.7100e-003	1.6000e-004	1.8700e-003	4.8000e-004	1.5000e-004	6.3000e-004		17.7088	17.7088	3.0000e-004	2.7900e-003	18.5469
Vendor	0.0000	0.0000	0.0000	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	0.0684	0.0468	0.5942	1.7800e-003	0.2236	1.0500e-003	0.2246	0.0593	9.6000e-004	0.0603		180.0847	180.0847	4.5800e-003	4.8000e-003	181.6302
Total	0.0728	0.1358	0.6655	1.9500e-003	0.2253	1.2100e-003	0.2265	0.0598	1.1100e-003	0.0609		197.7935	197.7935	4.8800e-003	7.5900e-003	200.1771

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Grading - 2023

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					3.5909	0.0000	3.5909	1.4252	0.0000	1.4252			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	3.3217	34.5156	28.0512	0.0621	3.5909	1.4245	5.0154	1.4252	1.3105	2.7357	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836

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	4.3900e-003	0.0890	0.0714	1.7000e-004	1.6000e-003	1.6000e-004	1.7600e-003	4.5000e-004	1.5000e-004	6.0000e-004		17.7088	17.7088	3.0000e-004	2.7900e-003	18.5469
Vendor	0.0000	0.0000	0.0000	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	0.0684	0.0468	0.5942	1.7800e-003	0.2061	1.0500e-003	0.2071	0.0550	9.6000e-004	0.0560		180.0847	180.0847	4.5800e-003	4.8000e-003	181.6302
Total	0.0728	0.1358	0.6655	1.9500e-003	0.2077	1.2100e-003	0.2089	0.0554	1.1100e-003	0.0566		197.7935	197.7935	4.8800e-003	7.5900e-003	200.1771

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Demolition S2 - 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					2.9235	0.0000	2.9235	0.4427	0.0000	0.4427			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	2.9235	0.9975	3.9210	0.4427	0.9280	1.3706		3,746.9840	3,746.9840	1.0494		3,773.2183

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	0.0329	1.9924	0.4388	0.0109	0.3538	0.0243	0.3781	0.0970	0.0233	0.1203		1,165.7530	1,165.7530	0.0163	0.1837	1,220.9016
Vendor	0.0000	0.0000	0.0000	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	0.0513	0.0351	0.4456	1.3400e-003	0.1677	7.8000e-004	0.1685	0.0445	7.2000e-004	0.0452		135.0635	135.0635	3.4300e-003	3.6000e-003	136.2226
Total	0.0842	2.0275	0.8845	0.0123	0.5215	0.0251	0.5466	0.1415	0.0240	0.1654		1,300.8165	1,300.8165	0.0197	0.1873	1,357.1242

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Demolition S2 - 2023

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					1.1402	0.0000	1.1402	0.1726	0.0000	0.1726			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	1.1402	0.9975	2.1377	0.1726	0.9280	1.1006	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183

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	0.0329	1.9924	0.4388	0.0109	0.3297	0.0243	0.3541	0.0911	0.0233	0.1144		1,165.7530	1,165.7530	0.0163	0.1837	1,220.9016
Vendor	0.0000	0.0000	0.0000	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	0.0513	0.0351	0.4456	1.3400e-003	0.1546	7.8000e-004	0.1553	0.0413	7.2000e-004	0.0420		135.0635	135.0635	3.4300e-003	3.6000e-003	136.2226
Total	0.0842	2.0275	0.8845	0.0123	0.4843	0.0251	0.5094	0.1323	0.0240	0.1563		1,300.8165	1,300.8165	0.0197	0.1873	1,357.1242

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Site Preparation S2 - 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					19.6808	0.0000	19.6808	10.1060	0.0000	10.1060			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.3081	3,687.3081	1.1926		3,717.1219
Total	2.6595	27.5242	18.2443	0.0381	19.6808	1.2660	20.9468	10.1060	1.1647	11.2708		3,687.3081	3,687.3081	1.1926		3,717.1219

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	0.0276	0.5588	0.4482	1.0500e-003	0.0107	1.0000e-003	0.0118	2.9900e-003	9.6000e-004	3.9500e-003		111.2335	111.2335	1.8500e-003	0.0175	116.4978
Vendor	0.0000	0.0000	0.0000	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	0.0616	0.0421	0.5348	1.6000e-003	0.2012	9.4000e-004	0.2021	0.0534	8.7000e-004	0.0542		162.0762	162.0762	4.1200e-003	4.3200e-003	163.4672
Total	0.0892	0.6009	0.9830	2.6500e-003	0.2119	1.9400e-003	0.2139	0.0564	1.8300e-003	0.0582		273.3097	273.3097	5.9700e-003	0.0218	279.9650

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Site Preparation S2 - 2023

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					7.6755	0.0000	7.6755	3.9414	0.0000	3.9414			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	7.6755	1.2660	8.9415	3.9414	1.1647	5.1061	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9

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	0.0276	0.5588	0.4482	1.0500e-003	0.0100	1.0000e-003	0.0111	2.8200e-003	9.6000e-004	3.7800e-003		111.2335	111.2335	1.8500e-003	0.0175	116.4978
Vendor	0.0000	0.0000	0.0000	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	0.0616	0.0421	0.5348	1.6000e-003	0.1855	9.4000e-004	0.1864	0.0495	8.7000e-004	0.0504		162.0762	162.0762	4.1200e-003	4.3200e-003	163.4672
Total	0.0892	0.6009	0.9830	2.6500e-003	0.1955	1.9400e-003	0.1975	0.0523	1.8300e-003	0.0541		273.3097	273.3097	5.9700e-003	0.0218	279.9650

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Building Construction S2 - 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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

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	0.0000
Vendor	0.5845	19.4028	7.7869	0.0981	3.5868	0.1599	3.7467	1.0328	0.1530	1.1857		10,400.9247	10,400.9247	0.1037	1.5383	10,861.9148
Worker	7.1046	4.8595	61.6768	0.1849	23.2048	0.1085	23.3133	6.1540	0.0999	6.2539		18,692.7907	18,692.7907	0.4754	0.4985	18,853.2122
Total	7.6891	24.2623	69.4636	0.2830	26.7916	0.2684	27.0600	7.1868	0.2529	7.4396		29,093.7155	29,093.7155	0.5791	2.0367	29,715.1270

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Building Construction S2 - 2023

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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

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	0.0000
Vendor	0.5845	19.4028	7.7869	0.0981	3.3569	0.1599	3.5168	0.9763	0.1530	1.1293		10,400.9247	10,400.9247	0.1037	1.5383	10,861.9148
Worker	7.1046	4.8595	61.6768	0.1849	21.3892	0.1085	21.4977	5.7084	0.0999	5.8083		18,692.7907	18,692.7907	0.4754	0.4985	18,853.2122
Total	7.6891	24.2623	69.4636	0.2830	24.7461	0.2684	25.0145	6.6847	0.2529	6.9376		29,093.7155	29,093.7155	0.5791	2.0367	29,715.1270

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Building Construction S2 - 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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

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	0.0000
Vendor	0.5748	19.4055	7.6998	0.0965	3.5867	0.1588	3.7456	1.0327	0.1519	1.1847		10,240.8016	10,240.8016	0.1074	1.5122	10,694.1301
Worker	6.6412	4.3267	57.6812	0.1791	23.2048	0.1035	23.3083	6.1540	0.0953	6.2493		18,101.1961	18,101.1961	0.4313	0.4630	18,249.9432
Total	7.2159	23.7322	65.3811	0.2756	26.7915	0.2623	27.0539	7.1867	0.2472	7.4340		28,341.9977	28,341.9977	0.5388	1.9752	28,944.0733

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Building Construction S2 - 2024

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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

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	0.0000
Vendor	0.5748	19.4055	7.6998	0.0965	3.3568	0.1588	3.5157	0.9763	0.1519	1.1282		10,240.8016	10,240.8016	0.1074	1.5122	10,694.1301
Worker	6.6412	4.3267	57.6812	0.1791	21.3892	0.1035	21.4927	5.7084	0.0953	5.8037		18,101.1961	18,101.1961	0.4313	0.4630	18,249.9432
Total	7.2159	23.7322	65.3811	0.2756	24.7460	0.2623	25.0083	6.6847	0.2472	6.9319		28,341.9977	28,341.9977	0.5388	1.9752	28,944.0733

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 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	20.1179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	20.3096	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.4202	0.9714	12.3294	0.0370	4.6387	0.0217	4.6604	1.2302	0.0200	1.2502		3,736.7573	3,736.7573	0.0950	0.0996	3,768.8261
Total	1.4202	0.9714	12.3294	0.0370	4.6387	0.0217	4.6604	1.2302	0.0200	1.2502		3,736.7573	3,736.7573	0.0950	0.0996	3,768.8261

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Architectural Coating - 2023

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	20.1179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	20.3096	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.4202	0.9714	12.3294	0.0370	4.2758	0.0217	4.2975	1.1411	0.0200	1.1611		3,736.7573	3,736.7573	0.0950	0.0996	3,768.8261
Total	1.4202	0.9714	12.3294	0.0370	4.2758	0.0217	4.2975	1.1411	0.0200	1.1611		3,736.7573	3,736.7573	0.0950	0.0996	3,768.8261

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 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	20.1179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	20.2987	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.3276	0.8649	11.5307	0.0358	4.6387	0.0207	4.6594	1.2302	0.0191	1.2493		3,618.4954	3,618.4954	0.0862	0.0926	3,648.2305
Total	1.3276	0.8649	11.5307	0.0358	4.6387	0.0207	4.6594	1.2302	0.0191	1.2493		3,618.4954	3,618.4954	0.0862	0.0926	3,648.2305

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Architectural Coating - 2024

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	20.1179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	20.2987	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.3276	0.8649	11.5307	0.0358	4.2758	0.0207	4.2965	1.1411	0.0191	1.1602		3,618.4954	3,618.4954	0.0862	0.0926	3,648.2305
Total	1.3276	0.8649	11.5307	0.0358	4.2758	0.0207	4.2965	1.1411	0.0191	1.1602		3,618.4954	3,618.4954	0.0862	0.0926	3,648.2305

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.1554					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1882	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0513	0.0351	0.4456	1.3400e-003	0.1677	7.8000e-004	0.1685	0.0445	7.2000e-004	0.0452		135.0635	135.0635	3.4300e-003	3.6000e-003	136.2226
Total	0.0513	0.0351	0.4456	1.3400e-003	0.1677	7.8000e-004	0.1685	0.0445	7.2000e-004	0.0452		135.0635	135.0635	3.4300e-003	3.6000e-003	136.2226

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Paving - 2023

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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.1554					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1882	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0513	0.0351	0.4456	1.3400e-003	0.1546	7.8000e-004	0.1553	0.0413	7.2000e-004	0.0420		135.0635	135.0635	3.4300e-003	3.6000e-003	136.2226
Total	0.0513	0.0351	0.4456	1.3400e-003	0.1546	7.8000e-004	0.1553	0.0413	7.2000e-004	0.0420		135.0635	135.0635	3.4300e-003	3.6000e-003	136.2226

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.1554					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1436	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0480	0.0313	0.4168	1.2900e-003	0.1677	7.5000e-004	0.1684	0.0445	6.9000e-004	0.0452		130.7890	130.7890	3.1200e-003	3.3500e-003	131.8638
Total	0.0480	0.0313	0.4168	1.2900e-003	0.1677	7.5000e-004	0.1684	0.0445	6.9000e-004	0.0452		130.7890	130.7890	3.1200e-003	3.3500e-003	131.8638

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Paving - 2024

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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.1554					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1436	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0480	0.0313	0.4168	1.2900e-003	0.1546	7.5000e-004	0.1553	0.0413	6.9000e-004	0.0419		130.7890	130.7890	3.1200e-003	3.3500e-003	131.8638
Total	0.0480	0.0313	0.4168	1.2900e-003	0.1546	7.5000e-004	0.1553	0.0413	6.9000e-004	0.0419		130.7890	130.7890	3.1200e-003	3.3500e-003	131.8638

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.11 Paving S2 - 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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.7951					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.8279	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0513	0.0351	0.4456	1.3400e-003	0.1677	7.8000e-004	0.1685	0.0445	7.2000e-004	0.0452		135.0635	135.0635	3.4300e-003	3.6000e-003	136.2226
Total	0.0513	0.0351	0.4456	1.3400e-003	0.1677	7.8000e-004	0.1685	0.0445	7.2000e-004	0.0452		135.0635	135.0635	3.4300e-003	3.6000e-003	136.2226

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.11 Paving S2 - 2023

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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.584 1	2,207.584 1	0.7140		2,225.433 6
Paving	0.7951					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.8279	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.584 1	2,207.584 1	0.7140		2,225.433 6

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0513	0.0351	0.4456	1.3400e-003	0.1546	7.8000e-004	0.1553	0.0413	7.2000e-004	0.0420		135.0635	135.0635	3.4300e-003	3.6000e-003	136.2226
Total	0.0513	0.0351	0.4456	1.3400e-003	0.1546	7.8000e-004	0.1553	0.0413	7.2000e-004	0.0420		135.0635	135.0635	3.4300e-003	3.6000e-003	136.2226

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.11 Paving S2 - 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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.7951					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7833	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0480	0.0313	0.4168	1.2900e-003	0.1677	7.5000e-004	0.1684	0.0445	6.9000e-004	0.0452		130.7890	130.7890	3.1200e-003	3.3500e-003	131.8638
Total	0.0480	0.0313	0.4168	1.2900e-003	0.1677	7.5000e-004	0.1684	0.0445	6.9000e-004	0.0452		130.7890	130.7890	3.1200e-003	3.3500e-003	131.8638

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.11 Paving S2 - 2024

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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.7951					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7833	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0480	0.0313	0.4168	1.2900e-003	0.1546	7.5000e-004	0.1553	0.0413	6.9000e-004	0.0419		130.7890	130.7890	3.1200e-003	3.3500e-003	131.8638
Total	0.0480	0.0313	0.4168	1.2900e-003	0.1546	7.5000e-004	0.1553	0.0413	6.9000e-004	0.0419		130.7890	130.7890	3.1200e-003	3.3500e-003	131.8638

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.12 Demolition S3 - 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					
Fugitive Dust					8.6163	0.0000	8.6163	1.3046	0.0000	1.3046			0.0000			0.0000
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922		3,747.4228	3,747.4228	1.0485		3,773.6345
Total	2.2437	20.8781	19.7073	0.0388	8.6163	0.9602	9.5765	1.3046	0.8922	2.1968		3,747.4228	3,747.4228	1.0485		3,773.6345

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	0.0740	3.6651	1.0616	0.0182	0.5819	0.0400	0.6219	0.1596	0.0382	0.1978		1,942.8194	1,942.8194	0.0293	0.3062	2,034.8003
Vendor	0.0000	0.0000	0.0000	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	0.0480	0.0313	0.4168	1.2900e-003	0.1677	7.5000e-004	0.1684	0.0445	6.9000e-004	0.0452		130.7890	130.7890	3.1200e-003	3.3500e-003	131.8638
Total	0.1220	3.6964	1.4783	0.0195	0.7496	0.0407	0.7903	0.2040	0.0389	0.2429		2,073.6084	2,073.6084	0.0324	0.3096	2,166.6640

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.12 Demolition S3 - 2024

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					3.3604	0.0000	3.3604	0.5088	0.0000	0.5088			0.0000			0.0000
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345
Total	2.2437	20.8781	19.7073	0.0388	3.3604	0.9602	4.3205	0.5088	0.8922	1.4010	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345

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	0.0740	3.6651	1.0616	0.0182	0.5424	0.0400	0.5824	0.1498	0.0382	0.1881		1,942.8194	1,942.8194	0.0293	0.3062	2,034.8003
Vendor	0.0000	0.0000	0.0000	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	0.0480	0.0313	0.4168	1.2900e-003	0.1546	7.5000e-004	0.1553	0.0413	6.9000e-004	0.0419		130.7890	130.7890	3.1200e-003	3.3500e-003	131.8638
Total	0.1220	3.6964	1.4783	0.0195	0.6969	0.0407	0.7376	0.1911	0.0389	0.2300		2,073.6084	2,073.6084	0.0324	0.3096	2,166.6640

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.13 Site Preparation S3 - 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					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310		3,688.010 0	3,688.010 0	1.1928		3,717.829 4
Total	2.6609	27.1760	18.3356	0.0381	19.6570	1.2294	20.8864	10.1025	1.1310	11.2335		3,688.010 0	3,688.010 0	1.1928		3,717.829 4

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0576	0.0375	0.5001	1.5500e-003	0.2012	9.0000e-004	0.2021	0.0534	8.3000e-004	0.0542		156.9468	156.9468	3.7400e-003	4.0100e-003	158.2365
Total	0.0576	0.0375	0.5001	1.5500e-003	0.2012	9.0000e-004	0.2021	0.0534	8.3000e-004	0.0542		156.9468	156.9468	3.7400e-003	4.0100e-003	158.2365

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.13 Site Preparation S3 - 2024

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					7.6662	0.0000	7.6662	3.9400	0.0000	3.9400			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310	0.0000	3,688.010 0	3,688.010 0	1.1928		3,717.829 4
Total	2.6609	27.1760	18.3356	0.0381	7.6662	1.2294	8.8956	3.9400	1.1310	5.0710	0.0000	3,688.010 0	3,688.010 0	1.1928		3,717.829 4

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0576	0.0375	0.5001	1.5500e-003	0.1855	9.0000e-004	0.1864	0.0495	8.3000e-004	0.0503		156.9468	156.9468	3.7400e-003	4.0100e-003	158.2365
Total	0.0576	0.0375	0.5001	1.5500e-003	0.1855	9.0000e-004	0.1864	0.0495	8.3000e-004	0.0503		156.9468	156.9468	3.7400e-003	4.0100e-003	158.2365

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.14 Grading S3 - 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					
Fugitive Dust					9.2056	0.0000	9.2056	3.6541	0.0000	3.6541			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286		6,009.7487	6,009.7487	1.9437		6,058.3405
Total	3.2181	32.3770	27.7228	0.0621	9.2056	1.3354	10.5410	3.6541	1.2286	4.8826		6,009.7487	6,009.7487	1.9437		6,058.3405

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	3.9300e-003	0.2075	0.0554	1.0600e-003	0.0342	2.3500e-003	0.0366	9.3800e-003	2.2400e-003	0.0116		113.0537	113.0537	1.7000e-003	0.0178	118.4061
Vendor	0.0000	0.0000	0.0000	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	0.0640	0.0417	0.5557	1.7300e-003	0.2236	1.0000e-003	0.2246	0.0593	9.2000e-004	0.0602		174.3853	174.3853	4.1600e-003	4.4600e-003	175.8183
Total	0.0679	0.2492	0.6111	2.7900e-003	0.2578	3.3500e-003	0.2611	0.0687	3.1600e-003	0.0718		287.4390	287.4390	5.8600e-003	0.0223	294.2244

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.14 Grading S3 - 2024

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					3.5902	0.0000	3.5902	1.4251	0.0000	1.4251			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286	0.0000	6,009.7487	6,009.7487	1.9437		6,058.3405
Total	3.2181	32.3770	27.7228	0.0621	3.5902	1.3354	4.9256	1.4251	1.2286	2.6537	0.0000	6,009.7487	6,009.7487	1.9437		6,058.3405

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	3.9300e-003	0.2075	0.0554	1.0600e-003	0.0319	2.3500e-003	0.0342	8.8100e-003	2.2400e-003	0.0111		113.0537	113.0537	1.7000e-003	0.0178	118.4061
Vendor	0.0000	0.0000	0.0000	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	0.0640	0.0417	0.5557	1.7300e-003	0.2061	1.0000e-003	0.2071	0.0550	9.2000e-004	0.0559		174.3853	174.3853	4.1600e-003	4.4600e-003	175.8183
Total	0.0679	0.2492	0.6111	2.7900e-003	0.2380	3.3500e-003	0.2413	0.0638	3.1600e-003	0.0670		287.4390	287.4390	5.8600e-003	0.0223	294.2244

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.15 Building Construction S3 - 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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

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	0.0000
Vendor	0.5748	19.4055	7.6998	0.0965	3.5867	0.1588	3.7456	1.0327	0.1519	1.1847		10,240.8016	10,240.8016	0.1074	1.5122	10,694.1301
Worker	6.6412	4.3267	57.6812	0.1791	23.2048	0.1035	23.3083	6.1540	0.0953	6.2493		18,101.1961	18,101.1961	0.4313	0.4630	18,249.9432
Total	7.2159	23.7322	65.3811	0.2756	26.7915	0.2623	27.0539	7.1867	0.2472	7.4340		28,341.9977	28,341.9977	0.5388	1.9752	28,944.0733

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.15 Building Construction S3 - 2024

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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

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	0.0000
Vendor	0.5748	19.4055	7.6998	0.0965	3.3568	0.1588	3.5157	0.9763	0.1519	1.1282		10,240.8016	10,240.8016	0.1074	1.5122	10,694.1301
Worker	6.6412	4.3267	57.6812	0.1791	21.3892	0.1035	21.4927	5.7084	0.0953	5.8037		18,101.1961	18,101.1961	0.4313	0.4630	18,249.9432
Total	7.2159	23.7322	65.3811	0.2756	24.7460	0.2623	25.0083	6.6847	0.2472	6.9319		28,341.9977	28,341.9977	0.5388	1.9752	28,944.0733

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.15 Building Construction S3 - 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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.0000
Vendor	0.5668	19.2466	7.6154	0.0948	3.5867	0.1589	3.7456	1.0327	0.1520	1.1847		10,060.42 94	10,060.42 94	0.1115	1.4826	10,505.02 62
Worker	6.2223	3.8770	53.7112	0.1730	23.2048	0.0982	23.3030	6.1540	0.0904	6.2444		17,488.57 28	17,488.57 28	0.3899	0.4320	17,627.04 28
Total	6.7891	23.1237	61.3266	0.2678	26.7915	0.2571	27.0486	7.1867	0.2424	7.4292		27,549.00 22	27,549.00 22	0.5014	1.9145	28,132.06 90

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.15 Building Construction S3 - 2025

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.0000
Vendor	0.5668	19.2466	7.6154	0.0948	3.3568	0.1589	3.5157	0.9763	0.1520	1.1283		10,060.42 94	10,060.42 94	0.1115	1.4826	10,505.02 62
Worker	6.2223	3.8770	53.7112	0.1730	21.3892	0.0982	21.4874	5.7084	0.0904	5.7988		17,488.57 28	17,488.57 28	0.3899	0.4320	17,627.04 28
Total	6.7891	23.1237	61.3266	0.2678	24.7459	0.2571	25.0031	6.6846	0.2424	6.9271		27,549.00 22	27,549.00 22	0.5014	1.9145	28,132.06 90

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.15 Building Construction S3 - 2026

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.0000
Vendor	0.5596	19.0550	7.5447	0.0931	3.5866	0.1582	3.7448	1.0327	0.1514	1.1840		9,877.497 3	9,877.497 3	0.1155	1.4528	10,313.31 18
Worker	5.8603	3.5078	50.3648	0.1676	23.2048	0.0930	23.2978	6.1540	0.0856	6.2396		16,945.20 27	16,945.20 27	0.3542	0.4063	17,075.14 01
Total	6.4199	22.5627	57.9094	0.2607	26.7914	0.2512	27.0426	7.1867	0.2369	7.4236		26,822.70 00	26,822.70 00	0.4698	1.8591	27,388.45 19

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.15 Building Construction S3 - 2026

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.0000
Vendor	0.5596	19.0550	7.5447	0.0931	3.3567	0.1582	3.5149	0.9763	0.1514	1.1276		9,877.497 3	9,877.497 3	0.1155	1.4528	10,313.31 18
Worker	5.8603	3.5078	50.3648	0.1676	21.3892	0.0930	21.4821	5.7084	0.0856	5.7939		16,945.20 27	16,945.20 27	0.3542	0.4063	17,075.14 01
Total	6.4199	22.5627	57.9094	0.2607	24.7459	0.2512	24.9971	6.6846	0.2369	6.9216		26,822.70 00	26,822.70 00	0.4698	1.8591	27,388.45 19

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.16 Architectural Coating S2 - 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	5.0308					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	5.2115	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.3276	0.8649	11.5307	0.0358	4.6387	0.0207	4.6594	1.2302	0.0191	1.2493		3,618.4954	3,618.4954	0.0862	0.0926	3,648.2305
Total	1.3276	0.8649	11.5307	0.0358	4.6387	0.0207	4.6594	1.2302	0.0191	1.2493		3,618.4954	3,618.4954	0.0862	0.0926	3,648.2305

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.16 Architectural Coating S2 - 2024

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	5.0308					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	5.2115	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.3276	0.8649	11.5307	0.0358	4.2758	0.0207	4.2965	1.1411	0.0191	1.1602		3,618.4954	3,618.4954	0.0862	0.0926	3,648.2305
Total	1.3276	0.8649	11.5307	0.0358	4.2758	0.0207	4.2965	1.1411	0.0191	1.1602		3,618.4954	3,618.4954	0.0862	0.0926	3,648.2305

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.16 Architectural Coating S2 - 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	5.0308					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	5.2016	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.2439	0.7750	10.7371	0.0346	4.6387	0.0196	4.6584	1.2302	0.0181	1.2483		3,496.0297	3,496.0297	0.0780	0.0864	3,523.7104
Total	1.2439	0.7750	10.7371	0.0346	4.6387	0.0196	4.6584	1.2302	0.0181	1.2483		3,496.0297	3,496.0297	0.0780	0.0864	3,523.7104

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.16 Architectural Coating S2 - 2025

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	5.0308					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	5.2016	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.2439	0.7750	10.7371	0.0346	4.2758	0.0196	4.2954	1.1411	0.0181	1.1592		3,496.0297	3,496.0297	0.0780	0.0864	3,523.7104
Total	1.2439	0.7750	10.7371	0.0346	4.2758	0.0196	4.2954	1.1411	0.0181	1.1592		3,496.0297	3,496.0297	0.0780	0.0864	3,523.7104

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.17 Architectural Coating S3 - 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	52.9235					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	53.0943	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.2439	0.7750	10.7371	0.0346	4.6387	0.0196	4.6584	1.2302	0.0181	1.2483		3,496.0297	3,496.0297	0.0780	0.0864	3,523.7104
Total	1.2439	0.7750	10.7371	0.0346	4.6387	0.0196	4.6584	1.2302	0.0181	1.2483		3,496.0297	3,496.0297	0.0780	0.0864	3,523.7104

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.17 Architectural Coating S3 - 2025

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	52.9235					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	53.0943	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.2439	0.7750	10.7371	0.0346	4.2758	0.0196	4.2954	1.1411	0.0181	1.1592		3,496.0297	3,496.0297	0.0780	0.0864	3,523.7104
Total	1.2439	0.7750	10.7371	0.0346	4.2758	0.0196	4.2954	1.1411	0.0181	1.1592		3,496.0297	3,496.0297	0.0780	0.0864	3,523.7104

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.17 Architectural Coating S3 - 2026

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	52.9235					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	53.0943	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.1715	0.7012	10.0681	0.0335	4.6387	0.0186	4.6573	1.2302	0.0171	1.2473		3,387.4081	3,387.4081	0.0708	0.0812	3,413.3830
Total	1.1715	0.7012	10.0681	0.0335	4.6387	0.0186	4.6573	1.2302	0.0171	1.2473		3,387.4081	3,387.4081	0.0708	0.0812	3,413.3830

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.17 Architectural Coating S3 - 2026

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	52.9235					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	53.0943	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.1715	0.7012	10.0681	0.0335	4.2758	0.0186	4.2944	1.1411	0.0171	1.1582		3,387.4081	3,387.4081	0.0708	0.0812	3,413.3830
Total	1.1715	0.7012	10.0681	0.0335	4.2758	0.0186	4.2944	1.1411	0.0171	1.1582		3,387.4081	3,387.4081	0.0708	0.0812	3,413.3830

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.18 Paving S3 - 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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.2849					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2001	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0450	0.0280	0.3881	1.2500e-003	0.1677	7.1000e-004	0.1684	0.0445	6.5000e-004	0.0451		126.3625	126.3625	2.8200e-003	3.1200e-003	127.3630
Total	0.0450	0.0280	0.3881	1.2500e-003	0.1677	7.1000e-004	0.1684	0.0445	6.5000e-004	0.0451		126.3625	126.3625	2.8200e-003	3.1200e-003	127.3630

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.18 Paving S3 - 2025

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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.2849					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2001	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0450	0.0280	0.3881	1.2500e-003	0.1546	7.1000e-004	0.1553	0.0413	6.5000e-004	0.0419		126.3625	126.3625	2.8200e-003	3.1200e-003	127.3630
Total	0.0450	0.0280	0.3881	1.2500e-003	0.1546	7.1000e-004	0.1553	0.0413	6.5000e-004	0.0419		126.3625	126.3625	2.8200e-003	3.1200e-003	127.3630

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.18 Paving S3 - 2026

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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.2849					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2001	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0423	0.0254	0.3639	1.2100e-003	0.1677	6.7000e-004	0.1683	0.0445	6.2000e-004	0.0451		122.4364	122.4364	2.5600e-003	2.9400e-003	123.3753
Total	0.0423	0.0254	0.3639	1.2100e-003	0.1677	6.7000e-004	0.1683	0.0445	6.2000e-004	0.0451		122.4364	122.4364	2.5600e-003	2.9400e-003	123.3753

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.18 Paving S3 - 2026

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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.2849					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2001	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0423	0.0254	0.3639	1.2100e-003	0.1546	6.7000e-004	0.1552	0.0413	6.2000e-004	0.0419		122.4364	122.4364	2.5600e-003	2.9400e-003	123.3753
Total	0.0423	0.0254	0.3639	1.2100e-003	0.1546	6.7000e-004	0.1552	0.0413	6.2000e-004	0.0419		122.4364	122.4364	2.5600e-003	2.9400e-003	123.3753

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	93.0486	128.3400	823.5223	1.8801	217.2513	1.5556	218.8069	57.9500	1.4570	59.4069		191,709.9645	191,709.9645	11.3470	10.3124	195,066.7429
Unmitigated	93.0486	128.3400	823.5223	1.8801	217.2513	1.5556	218.8069	57.9500	1.4570	59.4069		191,709.9645	191,709.9645	11.3470	10.3124	195,066.7429

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	3,242.24	2,926.36	2437.64	10,532,248	10,532,248
Apartments Mid Rise	5,608.64	5,062.21	4216.79	18,219,375	18,219,375
City Park	1.15	2.90	3.24	4,898	4,898
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	584.40	132.60	42.00	1,425,082	1,425,082
Hotel	2,257.20	2,211.30	1606.50	5,148,607	5,148,607
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Strip Mall	34,337.36	32,570.91	15828.35	59,819,245	59,819,245
Total	46,031.00	42,906.28	24,134.52	95,149,455	95,149,455

4.3 Trip Type Information

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Land Use	Miles			Trip %			Trip Purpose %		
	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	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Apartments Mid Rise	14.70	5.90	8.70	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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.542916	0.056689	0.174450	0.134041	0.024680	0.006960	0.011589	0.018600	0.000608	0.000298	0.023389	0.001091	0.004689
City Park	0.542916	0.056689	0.174450	0.134041	0.024680	0.006960	0.011589	0.018600	0.000608	0.000298	0.023389	0.001091	0.004689
Enclosed Parking with Elevator	0.542916	0.056689	0.174450	0.134041	0.024680	0.006960	0.011589	0.018600	0.000608	0.000298	0.023389	0.001091	0.004689
General Office Building	0.542916	0.056689	0.174450	0.134041	0.024680	0.006960	0.011589	0.018600	0.000608	0.000298	0.023389	0.001091	0.004689
Hotel	0.542916	0.056689	0.174450	0.134041	0.024680	0.006960	0.011589	0.018600	0.000608	0.000298	0.023389	0.001091	0.004689
Parking Lot	0.542916	0.056689	0.174450	0.134041	0.024680	0.006960	0.011589	0.018600	0.000608	0.000298	0.023389	0.001091	0.004689
Strip Mall	0.542916	0.056689	0.174450	0.134041	0.024680	0.006960	0.011589	0.018600	0.000608	0.000298	0.023389	0.001091	0.004689

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Natural Gas Mitigated	1.4366	12.6825	8.2046	0.0784		0.9925	0.9925		0.9925	0.9925		15,671.48 10	15,671.48 10	0.3004	0.2873	15,764.60 88
Natural Gas Unmitigated	1.4366	12.6825	8.2046	0.0784		0.9925	0.9925		0.9925	0.9925		15,671.48 10	15,671.48 10	0.3004	0.2873	15,764.60 88

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	23484.3	0.2533	2.1642	0.9210	0.0138		0.1750	0.1750		0.1750	0.1750		2,762.8601	2,762.8601	0.0530	0.0507	2,779.2784
Apartments Mid Rise	40624.7	0.4381	3.7439	1.5931	0.0239		0.3027	0.3027		0.3027	0.3027		4,779.3770	4,779.3770	0.0916	0.0876	4,807.7785
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
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
General Office Building	563.836	6.0800e-003	0.0553	0.0464	3.3000e-004		4.2000e-003	4.2000e-003		4.2000e-003	4.2000e-003		66.3336	66.3336	1.2700e-003	1.2200e-003	66.7278
Hotel	63864.9	0.6887	6.2613	5.2595	0.0376		0.4759	0.4759		0.4759	0.4759		7,513.5208	7,513.5208	0.1440	0.1378	7,558.1699
Parking Lot	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
Strip Mall	4669.81	0.0504	0.4578	0.3846	2.7500e-003		0.0348	0.0348		0.0348	0.0348		549.3895	549.3895	0.0105	0.0101	552.6542
Total		1.4366	12.6825	8.2045	0.0784		0.9925	0.9925		0.9925	0.9925		15,671.4810	15,671.4810	0.3004	0.2873	15,764.6088

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

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	23.4843	0.2533	2.1642	0.9210	0.0138		0.1750	0.1750		0.1750	0.1750		2,762.8601	2,762.8601	0.0530	0.0507	2,779.2784
Apartments Mid Rise	40.6247	0.4381	3.7439	1.5931	0.0239		0.3027	0.3027		0.3027	0.3027		4,779.3770	4,779.3770	0.0916	0.0876	4,807.7785
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
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
General Office Building	0.563836	6.0800e-003	0.0553	0.0464	3.3000e-004		4.2000e-003	4.2000e-003		4.2000e-003	4.2000e-003		66.3336	66.3336	1.2700e-003	1.2200e-003	66.7278
Hotel	63.8649	0.6887	6.2613	5.2595	0.0376		0.4759	0.4759		0.4759	0.4759		7,513.5208	7,513.5208	0.1440	0.1378	7,558.1699
Parking Lot	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
Strip Mall	4.66981	0.0504	0.4578	0.3846	2.7500e-003		0.0348	0.0348		0.0348	0.0348		549.3895	549.3895	0.0105	0.0101	552.6542
Total		1.4366	12.6825	8.2045	0.0784		0.9925	0.9925		0.9925	0.9925		15,671.4810	15,671.4810	0.3004	0.2873	15,764.6088

6.0 Area Detail

6.1 Mitigation Measures Area

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	919.5891	69.0624	1,789.2261	4.2287		249.3127	249.3127		249.3127	249.3127	30,479.9525	58,814.3307	89,294.2832	91.1302	2.0688	92,189.0299
Unmitigated	919.5891	69.0624	1,789.2261	4.2287		249.3127	249.3127		249.3127	249.3127	30,479.9525	58,814.3307	89,294.2832	91.1302	2.0688	92,189.0299

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	5.9858					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	56.8846					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	852.6651	67.5150	1,654.8277	4.2216		248.5676	248.5676		248.5676	248.5676	30,479.9525	58,572.0000	89,051.9525	90.8971	2.0688	91,940.8715
Landscaping	4.0536	1.5474	134.3984	7.1100e-003		0.7452	0.7452		0.7452	0.7452		242.3307	242.3307	0.2331		248.1584
Total	919.5891	69.0624	1,789.2261	4.2287		249.3127	249.3127		249.3127	249.3127	30,479.9525	58,814.3307	89,294.2832	91.1302	2.0688	92,189.0299

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

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	5.9858					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	56.8846					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	852.6651	67.5150	1,654.8277	4.2216		248.5676	248.5676		248.5676	248.5676	30,479.9525	58,572.0000	89,051.9525	90.8971	2.0688	91,940.8715
Landscaping	4.0536	1.5474	134.3984	7.1100e-003		0.7452	0.7452		0.7452	0.7452		242.3307	242.3307	0.2331		248.1584
Total	919.5891	69.0624	1,789.2261	4.2287		249.3127	249.3127		249.3127	249.3127	30,479.9525	58,814.3307	89,294.2832	91.1302	2.0688	92,189.0299

7.0 Water Detail

7.1 Mitigation Measures Water

Moreno Valley Mall - Construction Only - no mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Moreno Valley Mall - Construction Only - with mitigation

Riverside-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	60.00	1000sqft	1.38	60,000.00	0
Enclosed Parking with Elevator	531.00	Space	4.78	212,400.00	0
Enclosed Parking with Elevator	701.00	Space	6.31	280,400.00	0
Parking Lot	392.68	1000sqft	9.01	392,677.00	0
Parking Lot	175.83	1000sqft	4.04	175,833.00	0
City Park	1.48	Acre	1.48	64,468.80	0
Hotel	270.00	Room	9.00	392,040.00	0
Apartments Mid Rise	596.00	Dwelling Unit	15.68	596,000.00	1705
Apartments Mid Rise	1,031.00	Dwelling Unit	27.13	1,031,000.00	2949
Strip Mall	774.76	1000sqft	17.79	774,764.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2026
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Areas from site plan. Parking Lot includes surface parking, drive aisles, and walkways. City Park includes landscaped areas

Construction Phase - anticipated schedule

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT - onsite borrow site 0.5 mile, construction debris 10.2 miles, concrete asphalt 30.1 miles

Demolition -

Grading -

Architectural Coating - anticipated schedule. SCAQMD Rule 1113

Vehicle Trips - Construction only

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves -

Area Coating -

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	613,402.00	387,382.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	613,402.00	30,000.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	613,402.00	196,020.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	1,840,206.00	1,162,146.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	1,840,206.00	90,000.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	1,840,206.00	588,060.00
tblArchitecturalCoating	ConstArea_Parking	63,679.00	59,939.00
tblArchitecturalCoating	ConstArea_Parking	63,679.00	10,550.00
tblArchitecturalCoating	ConstArea_Parking	63,679.00	40,385.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	1,098,225.00	695,925.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	1,098,225.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	1,098,225.00	402,300.00
tblArchitecturalCoating	ConstArea_Residential_Interior	3,294,675.00	2,087,775.00
tblArchitecturalCoating	ConstArea_Residential_Interior	3,294,675.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	3,294,675.00	1,206,900.00

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	13.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	25.00
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
tblConstructionPhase	NumDays	110.00	65.00
tblConstructionPhase	NumDays	110.00	195.00
tblConstructionPhase	NumDays	110.00	285.00
tblConstructionPhase	NumDays	1,550.00	580.00
tblConstructionPhase	NumDays	1,550.00	499.00
tblConstructionPhase	NumDays	1,550.00	163.00

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	NumDays	100.00	65.00
tblConstructionPhase	NumDays	100.00	33.00
tblConstructionPhase	NumDays	100.00	32.00
tblConstructionPhase	NumDays	155.00	45.00
tblConstructionPhase	NumDays	155.00	67.00
tblConstructionPhase	NumDays	110.00	43.00
tblConstructionPhase	NumDays	110.00	120.00
tblConstructionPhase	NumDays	110.00	220.00
tblConstructionPhase	NumDays	60.00	33.00
tblConstructionPhase	NumDays	60.00	65.00
tblConstructionPhase	NumDays	60.00	32.00
tblGrading	MaterialExported	0.00	700.00
tblGrading	MaterialExported	0.00	2,000.00
tblGrading	MaterialExported	0.00	6,000.00
tblLandUse	LandUseSquareFeet	175,830.00	175,833.00
tblLandUse	LandUseSquareFeet	392,680.00	392,677.00
tblLandUse	LandUseSquareFeet	774,760.00	774,764.00
tblTripsAndVMT	HaulingTripLength	20.00	25.00
tblTripsAndVMT	HaulingTripLength	20.00	16.80
tblTripsAndVMT	HaulingTripLength	20.00	0.50
tblTripsAndVMT	HaulingTripLength	20.00	30.10
tblTripsAndVMT	HaulingTripLength	20.00	0.50

2.0 Emissions Summary

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2023	44.5182	121.4363	246.7251	0.7501	58.5572	4.6629	61.6070	21.2140	4.3209	25.5348	0.0000	76,239.63 17	76,239.63 17	5.3922	4.1447	77,572.96 69
2024	49.6075	167.6215	289.0428	0.8717	97.0769	5.8709	102.9478	31.0353	5.4535	36.4888	0.0000	88,121.87 93	88,121.87 93	7.3382	4.3481	89,601.07 89
2025	64.2418	44.8573	119.5406	0.3777	31.5978	1.2746	32.8724	8.4614	1.1935	9.6549	0.0000	38,368.08 20	38,368.08 20	1.9136	1.9874	39,008.17 46
2026	63.7481	44.2468	114.4328	0.3688	31.5978	1.2676	32.8653	8.4614	1.1870	9.6484	0.0000	37,457.23 47	37,457.23 47	1.8736	1.9276	38,078.48 77
Maximum	64.2418	167.6215	289.0428	0.8717	97.0769	5.8709	102.9478	31.0353	5.4535	36.4888	0.0000	88,121.87 93	88,121.87 93	7.3382	4.3481	89,601.07 89

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	919.5891	69.0624	1,789.2261	4.2287		249.3127	249.3127		249.3127	249.3127	30,479.9525	58,814.3307	89,294.2832	91.1302	2.0688	92,189.0299
Energy	1.4366	12.6825	8.2046	0.0784		0.9925	0.9925		0.9925	0.9925		15,671.4810	15,671.4810	0.3004	0.2873	15,764.6088
Mobile	112.4548	120.8342	909.1908	2.0223	217.2513	1.5540	218.8053	57.9500	1.4555	59.4054		206,067.4103	206,067.4103	10.9265	10.0945	209,348.7262
Total	1,033.4805	202.5791	2,706.6214	6.3293	217.2513	251.8593	469.1106	57.9500	251.7607	309.7107	30,479.9525	280,553.2220	311,033.1745	102.3571	12.4505	317,302.3649

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	919.5891	69.0624	1,789.2261	4.2287		249.3127	249.3127		249.3127	249.3127	30,479.9525	58,814.3307	89,294.2832	91.1302	2.0688	92,189.0299
Energy	1.4366	12.6825	8.2046	0.0784		0.9925	0.9925		0.9925	0.9925		15,671.4810	15,671.4810	0.3004	0.2873	15,764.6088
Mobile	112.4548	120.8342	909.1908	2.0223	217.2513	1.5540	218.8053	57.9500	1.4555	59.4054		206,067.4103	206,067.4103	10.9265	10.0945	209,348.7262
Total	1,033.4805	202.5791	2,706.6214	6.3293	217.2513	251.8593	469.1106	57.9500	251.7607	309.7107	30,479.9525	280,553.2220	311,033.1745	102.3571	12.4505	317,302.3649

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	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	Demolition	Demolition	1/1/2023	4/1/2023	5	65	
2	Site Preparation	Site Preparation	1/1/2023	4/1/2023	5	65	
3	Building Construction	Building Construction	2/1/2023	12/30/2024	5	499	
4	Grading	Grading	3/1/2023	6/1/2023	5	67	
5	Demolition S2	Demolition	7/1/2023	8/15/2023	5	32	
6	Site Preparation S2	Site Preparation	7/1/2023	8/15/2023	5	32	
7	Building Construction S2	Building Construction	9/1/2023	4/16/2024	5	163	
8	Architectural Coating	Architectural Coating	10/1/2023	11/1/2024	5	285	
9	Paving	Paving	11/1/2023	9/3/2024	5	220	
10	Paving S2	Paving	12/1/2023	1/30/2024	5	43	
11	Demolition S3	Demolition	3/20/2024	5/4/2024	5	33	
12	Site Preparation S3	Site Preparation	3/20/2024	5/4/2024	5	33	
13	Grading S3	Grading	4/15/2024	6/15/2024	5	45	
14	Building Construction S3	Building Construction	6/12/2024	9/1/2026	5	580	
15	Architectural Coating S2	Architectural Coating	11/2/2024	2/1/2025	5	65	
16	Architectural Coating S3	Architectural Coating	6/1/2025	3/1/2026	5	195	
17	Paving S3	Paving	10/29/2025	4/14/2026	5	120	

Acres of Grading (Site Preparation Phase): 97.5

Acres of Grading (Grading Phase): 201

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Acres of Paving: 24.14

Residential Indoor: 1,206,900; Residential Outdoor: 402,300; Non-Residential Indoor: 588,060; Non-Residential Outdoor: 196,020; Striped Parking Area: 40,385 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Demolition S2	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition S2	Excavators	3	8.00	158	0.38
Demolition S2	Rubber Tired Dozers	2	8.00	247	0.40
Demolition S3	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition S3	Excavators	3	8.00	158	0.38
Demolition S3	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation S2	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation S2	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation S3	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation S3	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading S3	Excavators	2	8.00	158	0.38
Grading S3	Graders	1	8.00	187	0.41
Grading S3	Rubber Tired Dozers	1	8.00	247	0.40

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading S3	Scrapers	2	8.00	367	0.48
Grading S3	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Building Construction S2	Cranes	1	7.00	231	0.29
Building Construction S2	Forklifts	3	8.00	89	0.20
Building Construction S2	Generator Sets	1	8.00	84	0.74
Building Construction S2	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction S2	Welders	1	8.00	46	0.45
Building Construction S3	Cranes	1	7.00	231	0.29
Building Construction S3	Forklifts	3	8.00	89	0.20
Building Construction S3	Generator Sets	1	8.00	84	0.74
Building Construction S3	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction S3	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving S2	Pavers	2	8.00	130	0.42
Paving S2	Paving Equipment	2	8.00	132	0.36
Paving S2	Rollers	2	8.00	80	0.38
Paving S3	Pavers	2	8.00	130	0.42
Paving S3	Paving Equipment	2	8.00	132	0.36
Paving S3	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48
Architectural Coating S2	Air Compressors	1	6.00	78	0.48
Architectural Coating S3	Air Compressors	1	6.00	78	0.48

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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
Demolition	6	15.00	0.00	188.00	14.70	6.90	25.00	LD_Mix	HDT_Mix	HHDT
Demolition S2	6	15.00	0.00	430.00	14.70	6.90	30.10	LD_Mix	HDT_Mix	HHDT
Demolition S3	6	15.00	0.00	1,306.00	14.70	6.90	16.80	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation S2	7	18.00	0.00	750.00	14.70	6.90	0.50	LD_Mix	HDT_Mix	HHDT
Site Preparation S3	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	250.00	14.70	6.90	0.50	LD_Mix	HDT_Mix	HHDT
Grading S3	8	20.00	0.00	88.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	2,076.00	560.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction S2	9	2,076.00	560.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction S3	9	2,076.00	560.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving S2	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving S3	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	415.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating S2	1	415.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating S3	1	415.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 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					0.6307	0.0000	0.6307	0.0955	0.0000	0.0955			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	0.6307	0.9975	1.6282	0.0955	0.9280	1.0235		3,746.9840	3,746.9840	1.0494		3,773.2183

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	6.9500e-003	0.3466	0.0860	1.9600e-003	0.0633	4.3500e-003	0.0676	0.0173	4.1600e-003	0.0215		209.7855	209.7855	2.9600e-003	0.0331	219.7106
Vendor	0.0000	0.0000	0.0000	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	0.0548	0.0338	0.5488	1.4700e-003	0.1677	7.8000e-004	0.1685	0.0445	7.2000e-004	0.0452		149.0611	149.0611	3.4500e-003	3.5200e-003	150.1959
Total	0.0617	0.3804	0.6349	3.4300e-003	0.2309	5.1300e-003	0.2361	0.0618	4.8800e-003	0.0667		358.8466	358.8466	6.4100e-003	0.0366	369.9065

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2023

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					0.2460	0.0000	0.2460	0.0372	0.0000	0.0372			0.0000			0.0000
Off-Road	0.7334	4.3163	23.0786	0.0388		0.1816	0.1816		0.1816	0.1816	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	0.7334	4.3163	23.0786	0.0388	0.2460	0.1816	0.4275	0.0372	0.1816	0.2188	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183

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	6.9500e-003	0.3466	0.0860	1.9600e-003	0.0590	4.3500e-003	0.0633	0.0163	4.1600e-003	0.0205		209.7855	209.7855	2.9600e-003	0.0331	219.7106
Vendor	0.0000	0.0000	0.0000	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	0.0548	0.0338	0.5488	1.4700e-003	0.1546	7.8000e-004	0.1553	0.0413	7.2000e-004	0.0420		149.0611	149.0611	3.4500e-003	3.5200e-003	150.1959
Total	0.0617	0.3804	0.6349	3.4300e-003	0.2135	5.1300e-003	0.2186	0.0575	4.8800e-003	0.0624		358.8466	358.8466	6.4100e-003	0.0366	369.9065

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672		3,687.308 1	3,687.308 1	1.1926		3,717.121 9

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0657	0.0406	0.6586	1.7700e-003	0.2012	9.4000e-004	0.2021	0.0534	8.7000e-004	0.0542		178.8733	178.8733	4.1400e-003	4.2200e-003	180.2350
Total	0.0657	0.0406	0.6586	1.7700e-003	0.2012	9.4000e-004	0.2021	0.0534	8.7000e-004	0.0542		178.8733	178.8733	4.1400e-003	4.2200e-003	180.2350

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2023

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					7.6662	0.0000	7.6662	3.9400	0.0000	3.9400			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0381		0.0621	0.0621		0.0621	0.0621	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	0.4656	2.0175	20.8690	0.0381	7.6662	0.0621	7.7283	3.9400	0.0621	4.0020	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0657	0.0406	0.6586	1.7700e-003	0.1855	9.4000e-004	0.1864	0.0495	8.7000e-004	0.0504		178.8733	178.8733	4.1400e-003	4.2200e-003	180.2350
Total	0.0657	0.0406	0.6586	1.7700e-003	0.1855	9.4000e-004	0.1864	0.0495	8.7000e-004	0.0504		178.8733	178.8733	4.1400e-003	4.2200e-003	180.2350

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

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	0.0000
Vendor	0.6312	18.2956	7.5333	0.0979	3.5868	0.1593	3.7461	1.0328	0.1524	1.1852		10,375.1761	10,375.1761	0.1058	1.5331	10,834.6969
Worker	7.5799	4.6835	75.9549	0.2041	23.2048	0.1085	23.3133	6.1540	0.0999	6.2539		20,630.0494	20,630.0494	0.4770	0.4870	20,787.1072
Total	8.2111	22.9791	83.4881	0.3020	26.7916	0.2679	27.0595	7.1868	0.2523	7.4391		31,005.2255	31,005.2255	0.5827	2.0202	31,621.8040

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

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	1.0240	8.1516	16.5851	0.0269		0.3436	0.3436		0.3325	0.3325	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.0240	8.1516	16.5851	0.0269		0.3436	0.3436		0.3325	0.3325	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

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	0.0000
Vendor	0.6312	18.2956	7.5333	0.0979	3.3569	0.1593	3.5163	0.9763	0.1524	1.1288		10,375.1761	10,375.1761	0.1058	1.5331	10,834.6969
Worker	7.5799	4.6835	75.9549	0.2041	21.3892	0.1085	21.4977	5.7084	0.0999	5.8083		20,630.0494	20,630.0494	0.4770	0.4870	20,787.1072
Total	8.2111	22.9791	83.4881	0.3020	24.7461	0.2679	25.0140	6.6847	0.2523	6.9370		31,005.2255	31,005.2255	0.5827	2.0202	31,621.8040

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

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	0.0000
Vendor	0.6213	18.2970	7.4469	0.0963	3.5867	0.1583	3.7450	1.0327	0.1514	1.1841		10,215.2724	10,215.2724	0.1095	1.5072	10,667.1671
Worker	7.0640	4.1718	71.0008	0.1976	23.2048	0.1035	23.3083	6.1540	0.0953	6.2493		19,973.3370	19,973.3370	0.4319	0.4525	20,118.9747
Total	7.6853	22.4688	78.4477	0.2939	26.7915	0.2618	27.0533	7.1867	0.2467	7.4334		30,188.6094	30,188.6094	0.5415	1.9597	30,786.1418

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2024

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	0.9674	7.6684	16.5131	0.0270		0.3066	0.3066		0.2964	0.2964	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	0.9674	7.6684	16.5131	0.0270		0.3066	0.3066		0.2964	0.2964	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

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	0.0000
Vendor	0.6213	18.2970	7.4469	0.0963	3.3568	0.1583	3.5151	0.9763	0.1514	1.1277		10,215.2724	10,215.2724	0.1095	1.5072	10,667.1671
Worker	7.0640	4.1718	71.0008	0.1976	21.3892	0.1035	21.4927	5.7084	0.0953	5.8037		19,973.3370	19,973.3370	0.4319	0.4525	20,118.9747
Total	7.6853	22.4688	78.4477	0.2939	24.7460	0.2618	25.0078	6.6847	0.2467	6.9314		30,188.6094	30,188.6094	0.5415	1.9597	30,786.1418

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 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					9.2074	0.0000	9.2074	3.6543	0.0000	3.6543			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	3.3217	34.5156	28.0512	0.0621	9.2074	1.4245	10.6319	3.6543	1.3105	4.9649		6,011.4777	6,011.4777	1.9442		6,060.0836

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	5.0500e-003	0.0820	0.0692	1.6000e-004	1.7100e-003	1.5000e-004	1.8600e-003	4.8000e-004	1.5000e-004	6.2000e-004		17.3664	17.3664	3.3000e-004	2.7300e-003	18.1892
Vendor	0.0000	0.0000	0.0000	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	0.0730	0.0451	0.7317	1.9700e-003	0.2236	1.0500e-003	0.2246	0.0593	9.6000e-004	0.0603		198.7481	198.7481	4.5900e-003	4.6900e-003	200.2612
Total	0.0781	0.1272	0.8009	2.1300e-003	0.2253	1.2000e-003	0.2265	0.0598	1.1100e-003	0.0609		216.1144	216.1144	4.9200e-003	7.4200e-003	218.4504

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Grading - 2023

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					3.5909	0.0000	3.5909	1.4252	0.0000	1.4252			0.0000			0.0000
Off-Road	2.2646	22.5527	30.3204	0.0621		0.8413	0.8413		0.7773	0.7773	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	2.2646	22.5527	30.3204	0.0621	3.5909	0.8413	4.4322	1.4252	0.7773	2.2025	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836

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	5.0500e-003	0.0820	0.0692	1.6000e-004	1.6000e-003	1.5000e-004	1.7500e-003	4.5000e-004	1.5000e-004	6.0000e-004		17.3664	17.3664	3.3000e-004	2.7300e-003	18.1892
Vendor	0.0000	0.0000	0.0000	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	0.0730	0.0451	0.7317	1.9700e-003	0.2061	1.0500e-003	0.2071	0.0550	9.6000e-004	0.0560		198.7481	198.7481	4.5900e-003	4.6900e-003	200.2612
Total	0.0781	0.1272	0.8009	2.1300e-003	0.2077	1.2000e-003	0.2089	0.0554	1.1100e-003	0.0566		216.1144	216.1144	4.9200e-003	7.4200e-003	218.4504

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Demolition S2 - 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					2.9235	0.0000	2.9235	0.4427	0.0000	0.4427			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	2.9235	0.9975	3.9210	0.4427	0.9280	1.3706		3,746.9840	3,746.9840	1.0494		3,773.2183

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	0.0352	1.8840	0.4311	0.0109	0.3538	0.0243	0.3781	0.0970	0.0233	0.1202		1,164.5199	1,164.5199	0.0164	0.1835	1,219.6130
Vendor	0.0000	0.0000	0.0000	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	0.0548	0.0338	0.5488	1.4700e-003	0.1677	7.8000e-004	0.1685	0.0445	7.2000e-004	0.0452		149.0611	149.0611	3.4500e-003	3.5200e-003	150.1959
Total	0.0900	1.9178	0.9799	0.0124	0.5215	0.0251	0.5466	0.1415	0.0240	0.1654		1,313.5810	1,313.5810	0.0198	0.1870	1,369.8089

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Demolition S2 - 2023

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					1.1402	0.0000	1.1402	0.1726	0.0000	0.1726			0.0000			0.0000
Off-Road	0.7334	4.3163	23.0786	0.0388		0.1816	0.1816		0.1816	0.1816	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	0.7334	4.3163	23.0786	0.0388	1.1402	0.1816	1.3217	0.1726	0.1816	0.3542	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183

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	0.0352	1.8840	0.4311	0.0109	0.3297	0.0243	0.3540	0.0911	0.0233	0.1143		1,164.5199	1,164.5199	0.0164	0.1835	1,219.6130
Vendor	0.0000	0.0000	0.0000	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	0.0548	0.0338	0.5488	1.4700e-003	0.1546	7.8000e-004	0.1553	0.0413	7.2000e-004	0.0420		149.0611	149.0611	3.4500e-003	3.5200e-003	150.1959
Total	0.0900	1.9178	0.9799	0.0124	0.4843	0.0251	0.5094	0.1323	0.0240	0.1563		1,313.5810	1,313.5810	0.0198	0.1870	1,369.8089

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Site Preparation S2 - 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					19.6808	0.0000	19.6808	10.1060	0.0000	10.1060			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	19.6808	1.2660	20.9468	10.1060	1.1647	11.2708		3,687.308 1	3,687.308 1	1.1926		3,717.121 9

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	0.0317	0.5153	0.4345	1.0300e-003	0.0107	9.6000e-004	0.0117	2.9900e-003	9.2000e-004	3.9100e-003		109.0825	109.0825	2.0500e-003	0.0172	114.2510
Vendor	0.0000	0.0000	0.0000	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	0.0657	0.0406	0.6586	1.7700e-003	0.2012	9.4000e-004	0.2021	0.0534	8.7000e-004	0.0542		178.8733	178.8733	4.1400e-003	4.2200e-003	180.2350
Total	0.0974	0.5559	1.0931	2.8000e-003	0.2119	1.9000e-003	0.2139	0.0564	1.7900e-003	0.0581		287.9557	287.9557	6.1900e-003	0.0214	294.4860

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Site Preparation S2 - 2023

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					7.6755	0.0000	7.6755	3.9414	0.0000	3.9414			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0381		0.0621	0.0621		0.0621	0.0621	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	0.4656	2.0175	20.8690	0.0381	7.6755	0.0621	7.7376	3.9414	0.0621	4.0034	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9

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	0.0317	0.5153	0.4345	1.0300e-003	0.0100	9.6000e-004	0.0110	2.8200e-003	9.2000e-004	3.7400e-003		109.0825	109.0825	2.0500e-003	0.0172	114.2510
Vendor	0.0000	0.0000	0.0000	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	0.0657	0.0406	0.6586	1.7700e-003	0.1855	9.4000e-004	0.1864	0.0495	8.7000e-004	0.0504		178.8733	178.8733	4.1400e-003	4.2200e-003	180.2350
Total	0.0974	0.5559	1.0931	2.8000e-003	0.1955	1.9000e-003	0.1974	0.0523	1.7900e-003	0.0541		287.9557	287.9557	6.1900e-003	0.0214	294.4860

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Building Construction S2 - 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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

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	0.0000
Vendor	0.6312	18.2956	7.5333	0.0979	3.5868	0.1593	3.7461	1.0328	0.1524	1.1852		10,375.1761	10,375.1761	0.1058	1.5331	10,834.6969
Worker	7.5799	4.6835	75.9549	0.2041	23.2048	0.1085	23.3133	6.1540	0.0999	6.2539		20,630.0494	20,630.0494	0.4770	0.4870	20,787.1072
Total	8.2111	22.9791	83.4881	0.3020	26.7916	0.2679	27.0595	7.1868	0.2523	7.4391		31,005.2255	31,005.2255	0.5827	2.0202	31,621.8040

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Building Construction S2 - 2023

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	1.0240	8.1516	16.5851	0.0269		0.3436	0.3436		0.3325	0.3325	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.0240	8.1516	16.5851	0.0269		0.3436	0.3436		0.3325	0.3325	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

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	0.0000
Vendor	0.6312	18.2956	7.5333	0.0979	3.3569	0.1593	3.5163	0.9763	0.1524	1.1288		10,375.1761	10,375.1761	0.1058	1.5331	10,834.6969
Worker	7.5799	4.6835	75.9549	0.2041	21.3892	0.1085	21.4977	5.7084	0.0999	5.8083		20,630.0494	20,630.0494	0.4770	0.4870	20,787.1072
Total	8.2111	22.9791	83.4881	0.3020	24.7461	0.2679	25.0140	6.6847	0.2523	6.9370		31,005.2255	31,005.2255	0.5827	2.0202	31,621.8040

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Building Construction S2 - 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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

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	0.0000
Vendor	0.6213	18.2970	7.4469	0.0963	3.5867	0.1583	3.7450	1.0327	0.1514	1.1841		10,215.2724	10,215.2724	0.1095	1.5072	10,667.1671
Worker	7.0640	4.1718	71.0008	0.1976	23.2048	0.1035	23.3083	6.1540	0.0953	6.2493		19,973.3370	19,973.3370	0.4319	0.4525	20,118.9747
Total	7.6853	22.4688	78.4477	0.2939	26.7915	0.2618	27.0533	7.1867	0.2467	7.4334		30,188.6094	30,188.6094	0.5415	1.9597	30,786.1418

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Building Construction S2 - 2024

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	0.9674	7.6684	16.5131	0.0270		0.3066	0.3066		0.2964	0.2964	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	0.9674	7.6684	16.5131	0.0270		0.3066	0.3066		0.2964	0.2964	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

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	0.0000
Vendor	0.6213	18.2970	7.4469	0.0963	3.3568	0.1583	3.5151	0.9763	0.1514	1.1277		10,215.2724	10,215.2724	0.1095	1.5072	10,667.1671
Worker	7.0640	4.1718	71.0008	0.1976	21.3892	0.1035	21.4927	5.7084	0.0953	5.8037		19,973.3370	19,973.3370	0.4319	0.4525	20,118.9747
Total	7.6853	22.4688	78.4477	0.2939	24.7460	0.2618	25.0078	6.6847	0.2467	6.9314		30,188.6094	30,188.6094	0.5415	1.9597	30,786.1418

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 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	20.1179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	20.3096	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.5153	0.9363	15.1837	0.0408	4.6387	0.0217	4.6604	1.2302	0.0200	1.2502		4,124.0224	4,124.0224	0.0953	0.0974	4,155.4188
Total	1.5153	0.9363	15.1837	0.0408	4.6387	0.0217	4.6604	1.2302	0.0200	1.2502		4,124.0224	4,124.0224	0.0953	0.0974	4,155.4188

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Architectural Coating - 2023

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	20.1179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	20.3096	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.5153	0.9363	15.1837	0.0408	4.2758	0.0217	4.2975	1.1411	0.0200	1.1611		4,124.0224	4,124.0224	0.0953	0.0974	4,155.4188
Total	1.5153	0.9363	15.1837	0.0408	4.2758	0.0217	4.2975	1.1411	0.0200	1.1611		4,124.0224	4,124.0224	0.0953	0.0974	4,155.4188

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 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	20.1179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	20.2987	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.4121	0.8340	14.1933	0.0395	4.6387	0.0207	4.6594	1.2302	0.0191	1.2493		3,992.7432	3,992.7432	0.0863	0.0905	4,021.8567
Total	1.4121	0.8340	14.1933	0.0395	4.6387	0.0207	4.6594	1.2302	0.0191	1.2493		3,992.7432	3,992.7432	0.0863	0.0905	4,021.8567

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Architectural Coating - 2024

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	20.1179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	20.2987	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.4121	0.8340	14.1933	0.0395	4.2758	0.0207	4.2965	1.1411	0.0191	1.1602		3,992.7432	3,992.7432	0.0863	0.0905	4,021.8567
Total	1.4121	0.8340	14.1933	0.0395	4.2758	0.0207	4.2965	1.1411	0.0191	1.1602		3,992.7432	3,992.7432	0.0863	0.0905	4,021.8567

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.1554					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1882	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0548	0.0338	0.5488	1.4700e-003	0.1677	7.8000e-004	0.1685	0.0445	7.2000e-004	0.0452		149.0611	149.0611	3.4500e-003	3.5200e-003	150.1959
Total	0.0548	0.0338	0.5488	1.4700e-003	0.1677	7.8000e-004	0.1685	0.0445	7.2000e-004	0.0452		149.0611	149.0611	3.4500e-003	3.5200e-003	150.1959

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Paving - 2023

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	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.584 1	2,207.584 1	0.7140		2,225.433 6
Paving	0.1554					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4359	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.584 1	2,207.584 1	0.7140		2,225.433 6

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0548	0.0338	0.5488	1.4700e-003	0.1546	7.8000e-004	0.1553	0.0413	7.2000e-004	0.0420		149.0611	149.0611	3.4500e-003	3.5200e-003	150.1959
Total	0.0548	0.0338	0.5488	1.4700e-003	0.1546	7.8000e-004	0.1553	0.0413	7.2000e-004	0.0420		149.0611	149.0611	3.4500e-003	3.5200e-003	150.1959

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.1554					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1436	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0510	0.0301	0.5130	1.4300e-003	0.1677	7.5000e-004	0.1684	0.0445	6.9000e-004	0.0452		144.3160	144.3160	3.1200e-003	3.2700e-003	145.3683
Total	0.0510	0.0301	0.5130	1.4300e-003	0.1677	7.5000e-004	0.1684	0.0445	6.9000e-004	0.0452		144.3160	144.3160	3.1200e-003	3.2700e-003	145.3683

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Paving - 2024

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	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.1554					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4359	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0510	0.0301	0.5130	1.4300e-003	0.1546	7.5000e-004	0.1553	0.0413	6.9000e-004	0.0419		144.3160	144.3160	3.1200e-003	3.2700e-003	145.3683
Total	0.0510	0.0301	0.5130	1.4300e-003	0.1546	7.5000e-004	0.1553	0.0413	6.9000e-004	0.0419		144.3160	144.3160	3.1200e-003	3.2700e-003	145.3683

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.11 Paving S2 - 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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.7951					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.8279	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0548	0.0338	0.5488	1.4700e-003	0.1677	7.8000e-004	0.1685	0.0445	7.2000e-004	0.0452		149.0611	149.0611	3.4500e-003	3.5200e-003	150.1959
Total	0.0548	0.0338	0.5488	1.4700e-003	0.1677	7.8000e-004	0.1685	0.0445	7.2000e-004	0.0452		149.0611	149.0611	3.4500e-003	3.5200e-003	150.1959

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.11 Paving S2 - 2023

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	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.584 1	2,207.584 1	0.7140		2,225.433 6
Paving	0.7951					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0756	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.584 1	2,207.584 1	0.7140		2,225.433 6

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0548	0.0338	0.5488	1.4700e-003	0.1546	7.8000e-004	0.1553	0.0413	7.2000e-004	0.0420		149.0611	149.0611	3.4500e-003	3.5200e-003	150.1959
Total	0.0548	0.0338	0.5488	1.4700e-003	0.1546	7.8000e-004	0.1553	0.0413	7.2000e-004	0.0420		149.0611	149.0611	3.4500e-003	3.5200e-003	150.1959

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.11 Paving S2 - 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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.7951					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7833	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0510	0.0301	0.5130	1.4300e-003	0.1677	7.5000e-004	0.1684	0.0445	6.9000e-004	0.0452		144.3160	144.3160	3.1200e-003	3.2700e-003	145.3683
Total	0.0510	0.0301	0.5130	1.4300e-003	0.1677	7.5000e-004	0.1684	0.0445	6.9000e-004	0.0452		144.3160	144.3160	3.1200e-003	3.2700e-003	145.3683

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.11 Paving S2 - 2024

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	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.7951					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0756	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0510	0.0301	0.5130	1.4300e-003	0.1546	7.5000e-004	0.1553	0.0413	6.9000e-004	0.0419		144.3160	144.3160	3.1200e-003	3.2700e-003	145.3683
Total	0.0510	0.0301	0.5130	1.4300e-003	0.1546	7.5000e-004	0.1553	0.0413	6.9000e-004	0.0419		144.3160	144.3160	3.1200e-003	3.2700e-003	145.3683

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.12 Demolition S3 - 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					
Fugitive Dust					8.6163	0.0000	8.6163	1.3046	0.0000	1.3046			0.0000			0.0000
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922		3,747.4228	3,747.4228	1.0485		3,773.6345
Total	2.2437	20.8781	19.7073	0.0388	8.6163	0.9602	9.5765	1.3046	0.8922	2.1968		3,747.4228	3,747.4228	1.0485		3,773.6345

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	0.0810	3.4554	1.0388	0.0182	0.5819	0.0399	0.6218	0.1596	0.0382	0.1977		1,939.2338	1,939.2338	0.0297	0.3056	2,031.0542
Vendor	0.0000	0.0000	0.0000	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	0.0510	0.0301	0.5130	1.4300e-003	0.1677	7.5000e-004	0.1684	0.0445	6.9000e-004	0.0452		144.3160	144.3160	3.1200e-003	3.2700e-003	145.3683
Total	0.1320	3.4856	1.5518	0.0196	0.7496	0.0407	0.7903	0.2040	0.0389	0.2429		2,083.5498	2,083.5498	0.0328	0.3089	2,176.4225

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.12 Demolition S3 - 2024

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					3.3604	0.0000	3.3604	0.5088	0.0000	0.5088			0.0000			0.0000
Off-Road	0.7126	4.1463	23.0713	0.0388		0.1638	0.1638		0.1638	0.1638	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345
Total	0.7126	4.1463	23.0713	0.0388	3.3604	0.1638	3.5242	0.5088	0.1638	0.6726	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345

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	0.0810	3.4554	1.0388	0.0182	0.5424	0.0399	0.5823	0.1498	0.0382	0.1880		1,939.2338	1,939.2338	0.0297	0.3056	2,031.0542
Vendor	0.0000	0.0000	0.0000	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	0.0510	0.0301	0.5130	1.4300e-003	0.1546	7.5000e-004	0.1553	0.0413	6.9000e-004	0.0419		144.3160	144.3160	3.1200e-003	3.2700e-003	145.3683
Total	0.1320	3.4856	1.5518	0.0196	0.6969	0.0407	0.7376	0.1911	0.0389	0.2300		2,083.5498	2,083.5498	0.0328	0.3089	2,176.4225

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.13 Site Preparation S3 - 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					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310		3,688.0100	3,688.0100	1.1928		3,717.8294
Total	2.6609	27.1760	18.3356	0.0381	19.6570	1.2294	20.8864	10.1025	1.1310	11.2335		3,688.0100	3,688.0100	1.1928		3,717.8294

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0613	0.0362	0.6156	1.7100e-003	0.2012	9.0000e-004	0.2021	0.0534	8.3000e-004	0.0542		173.1792	173.1792	3.7500e-003	3.9200e-003	174.4420
Total	0.0613	0.0362	0.6156	1.7100e-003	0.2012	9.0000e-004	0.2021	0.0534	8.3000e-004	0.0542		173.1792	173.1792	3.7500e-003	3.9200e-003	174.4420

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.13 Site Preparation S3 - 2024

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					7.6662	0.0000	7.6662	3.9400	0.0000	3.9400			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0381		0.0621	0.0621		0.0621	0.0621	0.0000	3,688.010 0	3,688.010 0	1.1928		3,717.829 4
Total	0.4656	2.0175	20.8690	0.0381	7.6662	0.0621	7.7283	3.9400	0.0621	4.0020	0.0000	3,688.010 0	3,688.010 0	1.1928		3,717.829 4

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0613	0.0362	0.6156	1.7100e-003	0.1855	9.0000e-004	0.1864	0.0495	8.3000e-004	0.0503		173.1792	173.1792	3.7500e-003	3.9200e-003	174.4420
Total	0.0613	0.0362	0.6156	1.7100e-003	0.1855	9.0000e-004	0.1864	0.0495	8.3000e-004	0.0503		173.1792	173.1792	3.7500e-003	3.9200e-003	174.4420

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.14 Grading S3 - 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					
Fugitive Dust					9.2056	0.0000	9.2056	3.6541	0.0000	3.6541			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286		6,009.7487	6,009.7487	1.9437		6,058.3405
Total	3.2181	32.3770	27.7228	0.0621	9.2056	1.3354	10.5410	3.6541	1.2286	4.8826		6,009.7487	6,009.7487	1.9437		6,058.3405

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	4.2700e-003	0.1958	0.0543	1.0600e-003	0.0342	2.3400e-003	0.0366	9.3800e-003	2.2400e-003	0.0116		112.8765	112.8765	1.7200e-003	0.0178	118.2210
Vendor	0.0000	0.0000	0.0000	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	0.0681	0.0402	0.6840	1.9000e-003	0.2236	1.0000e-003	0.2246	0.0593	9.2000e-004	0.0602		192.4214	192.4214	4.1600e-003	4.3600e-003	193.8244
Total	0.0723	0.2360	0.7383	2.9600e-003	0.2578	3.3400e-003	0.2611	0.0687	3.1600e-003	0.0718		305.2979	305.2979	5.8800e-003	0.0222	312.0454

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.14 Grading S3 - 2024

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					3.5902	0.0000	3.5902	1.4251	0.0000	1.4251			0.0000			0.0000
Off-Road	2.1823	20.8800	29.9442	0.0621		0.7841	0.7841		0.7247	0.7247	0.0000	6,009.7487	6,009.7487	1.9437		6,058.3405
Total	2.1823	20.8800	29.9442	0.0621	3.5902	0.7841	4.3743	1.4251	0.7247	2.1498	0.0000	6,009.7487	6,009.7487	1.9437		6,058.3405

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	4.2700e-003	0.1958	0.0543	1.0600e-003	0.0319	2.3400e-003	0.0342	8.8100e-003	2.2400e-003	0.0111		112.8765	112.8765	1.7200e-003	0.0178	118.2210
Vendor	0.0000	0.0000	0.0000	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	0.0681	0.0402	0.6840	1.9000e-003	0.2061	1.0000e-003	0.2071	0.0550	9.2000e-004	0.0559		192.4214	192.4214	4.1600e-003	4.3600e-003	193.8244
Total	0.0723	0.2360	0.7383	2.9600e-003	0.2380	3.3400e-003	0.2413	0.0638	3.1600e-003	0.0670		305.2979	305.2979	5.8800e-003	0.0222	312.0454

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.15 Building Construction S3 - 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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

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	0.0000
Vendor	0.6213	18.2970	7.4469	0.0963	3.5867	0.1583	3.7450	1.0327	0.1514	1.1841		10,215.2724	10,215.2724	0.1095	1.5072	10,667.1671
Worker	7.0640	4.1718	71.0008	0.1976	23.2048	0.1035	23.3083	6.1540	0.0953	6.2493		19,973.3370	19,973.3370	0.4319	0.4525	20,118.9747
Total	7.6853	22.4688	78.4477	0.2939	26.7915	0.2618	27.0533	7.1867	0.2467	7.4334		30,188.6094	30,188.6094	0.5415	1.9597	30,786.1418

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.15 Building Construction S3 - 2024

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	0.9674	7.6684	16.5131	0.0270		0.3066	0.3066		0.2964	0.2964	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	0.9674	7.6684	16.5131	0.0270		0.3066	0.3066		0.2964	0.2964	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

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	0.0000
Vendor	0.6213	18.2970	7.4469	0.0963	3.3568	0.1583	3.5151	0.9763	0.1514	1.1277		10,215.2724	10,215.2724	0.1095	1.5072	10,667.1671
Worker	7.0640	4.1718	71.0008	0.1976	21.3892	0.1035	21.4927	5.7084	0.0953	5.8037		19,973.3370	19,973.3370	0.4319	0.4525	20,118.9747
Total	7.6853	22.4688	78.4477	0.2939	24.7460	0.2618	25.0078	6.6847	0.2467	6.9314		30,188.6094	30,188.6094	0.5415	1.9597	30,786.1418

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.15 Building Construction S3 - 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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.0000
Vendor	0.6131	18.1466	7.3628	0.0946	3.5867	0.1584	3.7451	1.0327	0.1515	1.1842		10,035.20 53	10,035.20 53	0.1136	1.4777	10,478.40 24
Worker	6.5999	3.7394	66.0294	0.1909	23.2048	0.0982	23.3030	6.1540	0.0904	6.2444		19,292.22 75	19,292.22 75	0.3894	0.4223	19,427.79 32
Total	7.2130	21.8859	73.3922	0.2854	26.7915	0.2566	27.0481	7.1867	0.2419	7.4287		29,327.43 28	29,327.43 28	0.5030	1.9000	29,906.19 56

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.15 Building Construction S3 - 2025

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	0.9161	7.1863	16.4632	0.0270		0.2749	0.2749		0.2655	0.2655	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.9161	7.1863	16.4632	0.0270		0.2749	0.2749		0.2655	0.2655	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.0000
Vendor	0.6131	18.1466	7.3628	0.0946	3.3568	0.1584	3.5152	0.9763	0.1515	1.1278		10,035.20 53	10,035.20 53	0.1136	1.4777	10,478.40 24
Worker	6.5999	3.7394	66.0294	0.1909	21.3892	0.0982	21.4874	5.7084	0.0904	5.7988		19,292.22 75	19,292.22 75	0.3894	0.4223	19,427.79 32
Total	7.2130	21.8859	73.3922	0.2854	24.7459	0.2566	25.0026	6.6846	0.2419	6.9266		29,327.43 28	29,327.43 28	0.5030	1.9000	29,906.19 56

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.15 Building Construction S3 - 2026

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.0000
Vendor	0.6057	17.9648	7.2923	0.0928	3.5866	0.1577	3.7443	1.0327	0.1509	1.1836		9,852.624 9	9,852.624 9	0.1176	1.4480	10,287.07 28
Worker	6.1970	3.3842	61.8565	0.1849	23.2048	0.0930	23.2978	6.1540	0.0856	6.2396		18,688.92 27	18,688.92 27	0.3529	0.3973	18,816.12 93
Total	6.8028	21.3490	69.1488	0.2777	26.7914	0.2507	27.0421	7.1867	0.2365	7.4232		28,541.54 75	28,541.54 75	0.4705	1.8453	29,103.20 21

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.15 Building Construction S3 - 2026

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	0.9161	7.1863	16.4632	0.0270		0.2749	0.2749		0.2655	0.2655	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.9161	7.1863	16.4632	0.0270		0.2749	0.2749		0.2655	0.2655	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.0000
Vendor	0.6057	17.9648	7.2923	0.0928	3.3567	0.1577	3.5144	0.9763	0.1509	1.1271		9,852.624 9	9,852.624 9	0.1176	1.4480	10,287.07 28
Worker	6.1970	3.3842	61.8565	0.1849	21.3892	0.0930	21.4821	5.7084	0.0856	5.7939		18,688.92 27	18,688.92 27	0.3529	0.3973	18,816.12 93
Total	6.8028	21.3490	69.1488	0.2777	24.7459	0.2507	24.9966	6.6846	0.2365	6.9211		28,541.54 75	28,541.54 75	0.4705	1.8453	29,103.20 21

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.16 Architectural Coating S2 - 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	5.0308					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	5.2115	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.4121	0.8340	14.1933	0.0395	4.6387	0.0207	4.6594	1.2302	0.0191	1.2493		3,992.7432	3,992.7432	0.0863	0.0905	4,021.8567
Total	1.4121	0.8340	14.1933	0.0395	4.6387	0.0207	4.6594	1.2302	0.0191	1.2493		3,992.7432	3,992.7432	0.0863	0.0905	4,021.8567

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.16 Architectural Coating S2 - 2024

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	5.0308					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	5.2115	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.4121	0.8340	14.1933	0.0395	4.2758	0.0207	4.2965	1.1411	0.0191	1.1602		3,992.7432	3,992.7432	0.0863	0.0905	4,021.8567
Total	1.4121	0.8340	14.1933	0.0395	4.2758	0.0207	4.2965	1.1411	0.0191	1.1602		3,992.7432	3,992.7432	0.0863	0.0905	4,021.8567

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.16 Architectural Coating S2 - 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	5.0308					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	5.2016	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.3193	0.7475	13.1995	0.0382	4.6387	0.0196	4.6584	1.2302	0.0181	1.2483		3,856.5869	3,856.5869	0.0778	0.0844	3,883.6870
Total	1.3193	0.7475	13.1995	0.0382	4.6387	0.0196	4.6584	1.2302	0.0181	1.2483		3,856.5869	3,856.5869	0.0778	0.0844	3,883.6870

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.16 Architectural Coating S2 - 2025

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	5.0308					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	5.2016	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.3193	0.7475	13.1995	0.0382	4.2758	0.0196	4.2954	1.1411	0.0181	1.1592		3,856.5869	3,856.5869	0.0778	0.0844	3,883.6870
Total	1.3193	0.7475	13.1995	0.0382	4.2758	0.0196	4.2954	1.1411	0.0181	1.1592		3,856.5869	3,856.5869	0.0778	0.0844	3,883.6870

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.17 Architectural Coating S3 - 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	52.9235					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	53.0943	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.3193	0.7475	13.1995	0.0382	4.6387	0.0196	4.6584	1.2302	0.0181	1.2483		3,856.5869	3,856.5869	0.0778	0.0844	3,883.6870
Total	1.3193	0.7475	13.1995	0.0382	4.6387	0.0196	4.6584	1.2302	0.0181	1.2483		3,856.5869	3,856.5869	0.0778	0.0844	3,883.6870

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.17 Architectural Coating S3 - 2025

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	52.9235					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	53.0943	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.3193	0.7475	13.1995	0.0382	4.2758	0.0196	4.2954	1.1411	0.0181	1.1592		3,856.5869	3,856.5869	0.0778	0.0844	3,883.6870
Total	1.3193	0.7475	13.1995	0.0382	4.2758	0.0196	4.2954	1.1411	0.0181	1.1592		3,856.5869	3,856.5869	0.0778	0.0844	3,883.6870

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.17 Architectural Coating S3 - 2026

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	52.9235					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	53.0943	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.2388	0.6765	12.3654	0.0370	4.6387	0.0186	4.6573	1.2302	0.0171	1.2473		3,735.9841	3,735.9841	0.0705	0.0794	3,761.4131
Total	1.2388	0.6765	12.3654	0.0370	4.6387	0.0186	4.6573	1.2302	0.0171	1.2473		3,735.9841	3,735.9841	0.0705	0.0794	3,761.4131

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.17 Architectural Coating S3 - 2026

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	52.9235					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	53.0943	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.2388	0.6765	12.3654	0.0370	4.2758	0.0186	4.2944	1.1411	0.0171	1.1582		3,735.9841	3,735.9841	0.0705	0.0794	3,761.4131
Total	1.2388	0.6765	12.3654	0.0370	4.2758	0.0186	4.2944	1.1411	0.0171	1.1582		3,735.9841	3,735.9841	0.0705	0.0794	3,761.4131

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.18 Paving S3 - 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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.2849					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2001	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0477	0.0270	0.4771	1.3800e-003	0.1677	7.1000e-004	0.1684	0.0445	6.5000e-004	0.0451		139.3947	139.3947	2.8100e-003	3.0500e-003	140.3742
Total	0.0477	0.0270	0.4771	1.3800e-003	0.1677	7.1000e-004	0.1684	0.0445	6.5000e-004	0.0451		139.3947	139.3947	2.8100e-003	3.0500e-003	140.3742

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.18 Paving S3 - 2025

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	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.2849					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5654	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0477	0.0270	0.4771	1.3800e-003	0.1546	7.1000e-004	0.1553	0.0413	6.5000e-004	0.0419		139.3947	139.3947	2.8100e-003	3.0500e-003	140.3742
Total	0.0477	0.0270	0.4771	1.3800e-003	0.1546	7.1000e-004	0.1553	0.0413	6.5000e-004	0.0419		139.3947	139.3947	2.8100e-003	3.0500e-003	140.3742

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.18 Paving S3 - 2026

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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.2849					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2001	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0448	0.0245	0.4469	1.3400e-003	0.1677	6.7000e-004	0.1683	0.0445	6.2000e-004	0.0451		135.0356	135.0356	2.5500e-003	2.8700e-003	135.9547
Total	0.0448	0.0245	0.4469	1.3400e-003	0.1677	6.7000e-004	0.1683	0.0445	6.2000e-004	0.0451		135.0356	135.0356	2.5500e-003	2.8700e-003	135.9547

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.18 Paving S3 - 2026

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	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.2849					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5654	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0448	0.0245	0.4469	1.3400e-003	0.1546	6.7000e-004	0.1552	0.0413	6.2000e-004	0.0419		135.0356	135.0356	2.5500e-003	2.8700e-003	135.9547
Total	0.0448	0.0245	0.4469	1.3400e-003	0.1546	6.7000e-004	0.1552	0.0413	6.2000e-004	0.0419		135.0356	135.0356	2.5500e-003	2.8700e-003	135.9547

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	112.4548	120.8342	909.1908	2.0223	217.2513	1.5540	218.8053	57.9500	1.4555	59.4054		206,067.4103	206,067.4103	10.9265	10.0945	209,348.7262
Unmitigated	112.4548	120.8342	909.1908	2.0223	217.2513	1.5540	218.8053	57.9500	1.4555	59.4054		206,067.4103	206,067.4103	10.9265	10.0945	209,348.7262

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	3,242.24	2,926.36	2437.64	10,532,248	10,532,248
Apartments Mid Rise	5,608.64	5,062.21	4216.79	18,219,375	18,219,375
City Park	1.15	2.90	3.24	4,898	4,898
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	584.40	132.60	42.00	1,425,082	1,425,082
Hotel	2,257.20	2,211.30	1606.50	5,148,607	5,148,607
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Strip Mall	34,337.36	32,570.91	15828.35	59,819,245	59,819,245
Total	46,031.00	42,906.28	24,134.52	95,149,455	95,149,455

4.3 Trip Type Information

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Land Use	Miles			Trip %			Trip Purpose %		
	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	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Apartments Mid Rise	14.70	5.90	8.70	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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.542916	0.056689	0.174450	0.134041	0.024680	0.006960	0.011589	0.018600	0.000608	0.000298	0.023389	0.001091	0.004689
City Park	0.542916	0.056689	0.174450	0.134041	0.024680	0.006960	0.011589	0.018600	0.000608	0.000298	0.023389	0.001091	0.004689
Enclosed Parking with Elevator	0.542916	0.056689	0.174450	0.134041	0.024680	0.006960	0.011589	0.018600	0.000608	0.000298	0.023389	0.001091	0.004689
General Office Building	0.542916	0.056689	0.174450	0.134041	0.024680	0.006960	0.011589	0.018600	0.000608	0.000298	0.023389	0.001091	0.004689
Hotel	0.542916	0.056689	0.174450	0.134041	0.024680	0.006960	0.011589	0.018600	0.000608	0.000298	0.023389	0.001091	0.004689
Parking Lot	0.542916	0.056689	0.174450	0.134041	0.024680	0.006960	0.011589	0.018600	0.000608	0.000298	0.023389	0.001091	0.004689
Strip Mall	0.542916	0.056689	0.174450	0.134041	0.024680	0.006960	0.011589	0.018600	0.000608	0.000298	0.023389	0.001091	0.004689

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Natural Gas Mitigated	1.4366	12.6825	8.2046	0.0784		0.9925	0.9925		0.9925	0.9925		15,671.4810	15,671.4810	0.3004	0.2873	15,764.6088
Natural Gas Unmitigated	1.4366	12.6825	8.2046	0.0784		0.9925	0.9925		0.9925	0.9925		15,671.4810	15,671.4810	0.3004	0.2873	15,764.6088

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	23484.3	0.2533	2.1642	0.9210	0.0138		0.1750	0.1750		0.1750	0.1750		2,762.8601	2,762.8601	0.0530	0.0507	2,779.2784
Apartments Mid Rise	40624.7	0.4381	3.7439	1.5931	0.0239		0.3027	0.3027		0.3027	0.3027		4,779.3770	4,779.3770	0.0916	0.0876	4,807.7785
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
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
General Office Building	563.836	6.0800e-003	0.0553	0.0464	3.3000e-004		4.2000e-003	4.2000e-003		4.2000e-003	4.2000e-003		66.3336	66.3336	1.2700e-003	1.2200e-003	66.7278
Hotel	63864.9	0.6887	6.2613	5.2595	0.0376		0.4759	0.4759		0.4759	0.4759		7,513.5208	7,513.5208	0.1440	0.1378	7,558.1699
Parking Lot	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
Strip Mall	4669.81	0.0504	0.4578	0.3846	2.7500e-003		0.0348	0.0348		0.0348	0.0348		549.3895	549.3895	0.0105	0.0101	552.6542
Total		1.4366	12.6825	8.2045	0.0784		0.9925	0.9925		0.9925	0.9925		15,671.4810	15,671.4810	0.3004	0.2873	15,764.6088

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

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	23.4843	0.2533	2.1642	0.9210	0.0138		0.1750	0.1750		0.1750	0.1750		2,762.8601	2,762.8601	0.0530	0.0507	2,779.2784
Apartments Mid Rise	40.6247	0.4381	3.7439	1.5931	0.0239		0.3027	0.3027		0.3027	0.3027		4,779.3770	4,779.3770	0.0916	0.0876	4,807.7785
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
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
General Office Building	0.563836	6.0800e-003	0.0553	0.0464	3.3000e-004		4.2000e-003	4.2000e-003		4.2000e-003	4.2000e-003		66.3336	66.3336	1.2700e-003	1.2200e-003	66.7278
Hotel	63.8649	0.6887	6.2613	5.2595	0.0376		0.4759	0.4759		0.4759	0.4759		7,513.5208	7,513.5208	0.1440	0.1378	7,558.1699
Parking Lot	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
Strip Mall	4.66981	0.0504	0.4578	0.3846	2.7500e-003		0.0348	0.0348		0.0348	0.0348		549.3895	549.3895	0.0105	0.0101	552.6542
Total		1.4366	12.6825	8.2045	0.0784		0.9925	0.9925		0.9925	0.9925		15,671.4810	15,671.4810	0.3004	0.2873	15,764.6088

6.0 Area Detail

6.1 Mitigation Measures Area

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	919.5891	69.0624	1,789.2261	4.2287		249.3127	249.3127		249.3127	249.3127	30,479.9525	58,814.3307	89,294.2832	91.1302	2.0688	92,189.0299
Unmitigated	919.5891	69.0624	1,789.2261	4.2287		249.3127	249.3127		249.3127	249.3127	30,479.9525	58,814.3307	89,294.2832	91.1302	2.0688	92,189.0299

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	5.9858					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	56.8846					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	852.6651	67.5150	1,654.8277	4.2216		248.5676	248.5676		248.5676	248.5676	30,479.9525	58,572.0000	89,051.9525	90.8971	2.0688	91,940.8715
Landscaping	4.0536	1.5474	134.3984	7.1100e-003		0.7452	0.7452		0.7452	0.7452		242.3307	242.3307	0.2331		248.1584
Total	919.5891	69.0624	1,789.2261	4.2287		249.3127	249.3127		249.3127	249.3127	30,479.9525	58,814.3307	89,294.2832	91.1302	2.0688	92,189.0299

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

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	5.9858					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	56.8846					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	852.6651	67.5150	1,654.8277	4.2216		248.5676	248.5676		248.5676	248.5676	30,479.9525	58,572.0000	89,051.9525	90.8971	2.0688	91,940.8715
Landscaping	4.0536	1.5474	134.3984	7.1100e-003		0.7452	0.7452		0.7452	0.7452		242.3307	242.3307	0.2331		248.1584
Total	919.5891	69.0624	1,789.2261	4.2287		249.3127	249.3127		249.3127	249.3127	30,479.9525	58,814.3307	89,294.2832	91.1302	2.0688	92,189.0299

7.0 Water Detail

7.1 Mitigation Measures Water

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Moreno Valley Mall - Construction Only - with mitigation

Riverside-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	60.00	1000sqft	1.38	60,000.00	0
Enclosed Parking with Elevator	531.00	Space	4.78	212,400.00	0
Enclosed Parking with Elevator	701.00	Space	6.31	280,400.00	0
Parking Lot	392.68	1000sqft	9.01	392,677.00	0
Parking Lot	175.83	1000sqft	4.04	175,833.00	0
City Park	1.48	Acre	1.48	64,468.80	0
Hotel	270.00	Room	9.00	392,040.00	0
Apartments Mid Rise	596.00	Dwelling Unit	15.68	596,000.00	1705
Apartments Mid Rise	1,031.00	Dwelling Unit	27.13	1,031,000.00	2949
Strip Mall	774.76	1000sqft	17.79	774,764.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2026
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Areas from site plan. Parking Lot includes surface parking, drive aisles, and walkways. City Park includes landscaped areas

Construction Phase - anticipated schedule

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT - onsite borrow site 0.5 mile, construction debris 10.2 miles, concrete asphalt 30.1 miles

Demolition -

Grading -

Architectural Coating - anticipated schedule. SCAQMD Rule 1113

Vehicle Trips - Construction only

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves -

Area Coating -

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	613,402.00	387,382.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	613,402.00	30,000.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	613,402.00	196,020.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	1,840,206.00	1,162,146.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	1,840,206.00	90,000.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	1,840,206.00	588,060.00
tblArchitecturalCoating	ConstArea_Parking	63,679.00	59,939.00
tblArchitecturalCoating	ConstArea_Parking	63,679.00	10,550.00
tblArchitecturalCoating	ConstArea_Parking	63,679.00	40,385.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	1,098,225.00	695,925.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	1,098,225.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	1,098,225.00	402,300.00
tblArchitecturalCoating	ConstArea_Residential_Interior	3,294,675.00	2,087,775.00
tblArchitecturalCoating	ConstArea_Residential_Interior	3,294,675.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	3,294,675.00	1,206,900.00

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	13.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	17.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	25.00
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
tblConstructionPhase	NumDays	110.00	65.00
tblConstructionPhase	NumDays	110.00	195.00
tblConstructionPhase	NumDays	110.00	285.00
tblConstructionPhase	NumDays	1,550.00	580.00
tblConstructionPhase	NumDays	1,550.00	499.00
tblConstructionPhase	NumDays	1,550.00	163.00

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	NumDays	100.00	65.00
tblConstructionPhase	NumDays	100.00	33.00
tblConstructionPhase	NumDays	100.00	32.00
tblConstructionPhase	NumDays	155.00	45.00
tblConstructionPhase	NumDays	155.00	67.00
tblConstructionPhase	NumDays	110.00	43.00
tblConstructionPhase	NumDays	110.00	120.00
tblConstructionPhase	NumDays	110.00	220.00
tblConstructionPhase	NumDays	60.00	33.00
tblConstructionPhase	NumDays	60.00	65.00
tblConstructionPhase	NumDays	60.00	32.00
tblGrading	MaterialExported	0.00	700.00
tblGrading	MaterialExported	0.00	2,000.00
tblGrading	MaterialExported	0.00	6,000.00
tblLandUse	LandUseSquareFeet	175,830.00	175,833.00
tblLandUse	LandUseSquareFeet	392,680.00	392,677.00
tblLandUse	LandUseSquareFeet	774,760.00	774,764.00
tblTripsAndVMT	HaulingTripLength	20.00	25.00
tblTripsAndVMT	HaulingTripLength	20.00	16.80
tblTripsAndVMT	HaulingTripLength	20.00	0.50
tblTripsAndVMT	HaulingTripLength	20.00	30.10
tblTripsAndVMT	HaulingTripLength	20.00	0.50

2.0 Emissions Summary

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2023	43.3722	122.7513	215.6155	0.7082	58.5572	4.6635	61.6080	21.2140	4.3214	25.5354	0.0000	72,001.35 15	72,001.35 15	5.3884	4.1802	73,345.07 36
2024	48.5631	170.4057	259.8345	0.8308	97.0769	5.8720	102.9489	31.0353	5.4546	36.4899	0.0000	83,996.84 84	83,996.84 84	7.3323	4.3821	85,486.02 60
2025	63.7397	46.1235	104.9236	0.3564	31.5978	1.2751	32.8729	8.4614	1.1940	9.6554	0.0000	36,216.06 20	36,216.06 20	1.9122	2.0040	36,861.06 01
2026	63.2955	45.4861	100.8132	0.3481	31.5978	1.2681	32.8658	8.4614	1.1875	9.6488	0.0000	35,377.21 21	35,377.21 21	1.8731	1.9432	36,003.12 80
Maximum	63.7397	170.4057	259.8345	0.8308	97.0769	5.8720	102.9489	31.0353	5.4546	36.4899	0.0000	83,996.84 84	83,996.84 84	7.3323	4.3821	85,486.02 60

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	919.5891	69.0624	1,789.2261	4.2287		249.3127	249.3127		249.3127	249.3127	30,479.9525	58,814.3307	89,294.2832	91.1302	2.0688	92,189.0299
Energy	1.4366	12.6825	8.2046	0.0784		0.9925	0.9925		0.9925	0.9925		15,671.4810	15,671.4810	0.3004	0.2873	15,764.6088
Mobile	93.0486	128.3400	823.5223	1.8801	217.2513	1.5556	218.8069	57.9500	1.4570	59.4069		191,709.9645	191,709.9645	11.3470	10.3124	195,066.7429
Total	1,014.0742	210.0848	2,620.9529	6.1872	217.2513	251.8609	469.1121	57.9500	251.7622	309.7122	30,479.9525	266,195.7763	296,675.7288	102.7775	12.6685	303,020.3815

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	919.5891	69.0624	1,789.2261	4.2287		249.3127	249.3127		249.3127	249.3127	30,479.9525	58,814.3307	89,294.2832	91.1302	2.0688	92,189.0299
Energy	1.4366	12.6825	8.2046	0.0784		0.9925	0.9925		0.9925	0.9925		15,671.4810	15,671.4810	0.3004	0.2873	15,764.6088
Mobile	93.0486	128.3400	823.5223	1.8801	217.2513	1.5556	218.8069	57.9500	1.4570	59.4069		191,709.9645	191,709.9645	11.3470	10.3124	195,066.7429
Total	1,014.0742	210.0848	2,620.9529	6.1872	217.2513	251.8609	469.1121	57.9500	251.7622	309.7122	30,479.9525	266,195.7763	296,675.7288	102.7775	12.6685	303,020.3815

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	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	Demolition	Demolition	1/1/2023	4/1/2023	5	65	
2	Site Preparation	Site Preparation	1/1/2023	4/1/2023	5	65	
3	Building Construction	Building Construction	2/1/2023	12/30/2024	5	499	
4	Grading	Grading	3/1/2023	6/1/2023	5	67	
5	Demolition S2	Demolition	7/1/2023	8/15/2023	5	32	
6	Site Preparation S2	Site Preparation	7/1/2023	8/15/2023	5	32	
7	Building Construction S2	Building Construction	9/1/2023	4/16/2024	5	163	
8	Architectural Coating	Architectural Coating	10/1/2023	11/1/2024	5	285	
9	Paving	Paving	11/1/2023	9/3/2024	5	220	
10	Paving S2	Paving	12/1/2023	1/30/2024	5	43	
11	Demolition S3	Demolition	3/20/2024	5/4/2024	5	33	
12	Site Preparation S3	Site Preparation	3/20/2024	5/4/2024	5	33	
13	Grading S3	Grading	4/15/2024	6/15/2024	5	45	
14	Building Construction S3	Building Construction	6/12/2024	9/1/2026	5	580	
15	Architectural Coating S2	Architectural Coating	11/2/2024	2/1/2025	5	65	
16	Architectural Coating S3	Architectural Coating	6/1/2025	3/1/2026	5	195	
17	Paving S3	Paving	10/29/2025	4/14/2026	5	120	

Acres of Grading (Site Preparation Phase): 97.5

Acres of Grading (Grading Phase): 201

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Acres of Paving: 24.14

Residential Indoor: 1,206,900; Residential Outdoor: 402,300; Non-Residential Indoor: 588,060; Non-Residential Outdoor: 196,020; Striped Parking Area: 40,385 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Demolition S2	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition S2	Excavators	3	8.00	158	0.38
Demolition S2	Rubber Tired Dozers	2	8.00	247	0.40
Demolition S3	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition S3	Excavators	3	8.00	158	0.38
Demolition S3	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation S2	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation S2	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation S3	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation S3	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading S3	Excavators	2	8.00	158	0.38
Grading S3	Graders	1	8.00	187	0.41
Grading S3	Rubber Tired Dozers	1	8.00	247	0.40

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading S3	Scrapers	2	8.00	367	0.48
Grading S3	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Building Construction S2	Cranes	1	7.00	231	0.29
Building Construction S2	Forklifts	3	8.00	89	0.20
Building Construction S2	Generator Sets	1	8.00	84	0.74
Building Construction S2	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction S2	Welders	1	8.00	46	0.45
Building Construction S3	Cranes	1	7.00	231	0.29
Building Construction S3	Forklifts	3	8.00	89	0.20
Building Construction S3	Generator Sets	1	8.00	84	0.74
Building Construction S3	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction S3	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving S2	Pavers	2	8.00	130	0.42
Paving S2	Paving Equipment	2	8.00	132	0.36
Paving S2	Rollers	2	8.00	80	0.38
Paving S3	Pavers	2	8.00	130	0.42
Paving S3	Paving Equipment	2	8.00	132	0.36
Paving S3	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48
Architectural Coating S2	Air Compressors	1	6.00	78	0.48
Architectural Coating S3	Air Compressors	1	6.00	78	0.48

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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
Demolition	6	15.00	0.00	188.00	14.70	6.90	25.00	LD_Mix	HDT_Mix	HHDT
Demolition S2	6	15.00	0.00	430.00	14.70	6.90	30.10	LD_Mix	HDT_Mix	HHDT
Demolition S3	6	15.00	0.00	1,306.00	14.70	6.90	16.80	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation S2	7	18.00	0.00	750.00	14.70	6.90	0.50	LD_Mix	HDT_Mix	HHDT
Site Preparation S3	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	250.00	14.70	6.90	0.50	LD_Mix	HDT_Mix	HHDT
Grading S3	8	20.00	0.00	88.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	2,076.00	560.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction S2	9	2,076.00	560.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction S3	9	2,076.00	560.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving S2	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving S3	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	415.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating S2	1	415.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating S3	1	415.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 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					0.6307	0.0000	0.6307	0.0955	0.0000	0.0955			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	0.6307	0.9975	1.6282	0.0955	0.9280	1.0235		3,746.9840	3,746.9840	1.0494		3,773.2183

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	6.4400e-003	0.3668	0.0877	1.9700e-003	0.0633	4.3500e-003	0.0676	0.0173	4.1700e-003	0.0215		210.0510	210.0510	2.9300e-003	0.0331	219.9879
Vendor	0.0000	0.0000	0.0000	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	0.0513	0.0351	0.4456	1.3400e-003	0.1677	7.8000e-004	0.1685	0.0445	7.2000e-004	0.0452		135.0635	135.0635	3.4300e-003	3.6000e-003	136.2226
Total	0.0578	0.4020	0.5334	3.3100e-003	0.2309	5.1300e-003	0.2361	0.0618	4.8900e-003	0.0667		345.1145	345.1145	6.3600e-003	0.0367	356.2106

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2023

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					0.2460	0.0000	0.2460	0.0372	0.0000	0.0372			0.0000			0.0000
Off-Road	0.7334	4.3163	23.0786	0.0388		0.1816	0.1816		0.1816	0.1816	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	0.7334	4.3163	23.0786	0.0388	0.2460	0.1816	0.4275	0.0372	0.1816	0.2188	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183

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	6.4400e-003	0.3668	0.0877	1.9700e-003	0.0590	4.3500e-003	0.0633	0.0163	4.1700e-003	0.0205		210.0510	210.0510	2.9300e-003	0.0331	219.9879
Vendor	0.0000	0.0000	0.0000	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	0.0513	0.0351	0.4456	1.3400e-003	0.1546	7.8000e-004	0.1553	0.0413	7.2000e-004	0.0420		135.0635	135.0635	3.4300e-003	3.6000e-003	136.2226
Total	0.0578	0.4020	0.5334	3.3100e-003	0.2135	5.1300e-003	0.2186	0.0575	4.8900e-003	0.0624		345.1145	345.1145	6.3600e-003	0.0367	356.2106

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672		3,687.308 1	3,687.308 1	1.1926		3,717.121 9

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0616	0.0421	0.5348	1.6000e-003	0.2012	9.4000e-004	0.2021	0.0534	8.7000e-004	0.0542		162.0762	162.0762	4.1200e-003	4.3200e-003	163.4672
Total	0.0616	0.0421	0.5348	1.6000e-003	0.2012	9.4000e-004	0.2021	0.0534	8.7000e-004	0.0542		162.0762	162.0762	4.1200e-003	4.3200e-003	163.4672

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2023

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					7.6662	0.0000	7.6662	3.9400	0.0000	3.9400			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0381		0.0621	0.0621		0.0621	0.0621	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	0.4656	2.0175	20.8690	0.0381	7.6662	0.0621	7.7283	3.9400	0.0621	4.0020	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0616	0.0421	0.5348	1.6000e-003	0.1855	9.4000e-004	0.1864	0.0495	8.7000e-004	0.0504		162.0762	162.0762	4.1200e-003	4.3200e-003	163.4672
Total	0.0616	0.0421	0.5348	1.6000e-003	0.1855	9.4000e-004	0.1864	0.0495	8.7000e-004	0.0504		162.0762	162.0762	4.1200e-003	4.3200e-003	163.4672

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

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	0.0000
Vendor	0.5845	19.4028	7.7869	0.0981	3.5868	0.1599	3.7467	1.0328	0.1530	1.1857		10,400.9247	10,400.9247	0.1037	1.5383	10,861.9148
Worker	7.1046	4.8595	61.6768	0.1849	23.2048	0.1085	23.3133	6.1540	0.0999	6.2539		18,692.7907	18,692.7907	0.4754	0.4985	18,853.2122
Total	7.6891	24.2623	69.4636	0.2830	26.7916	0.2684	27.0600	7.1868	0.2529	7.4396		29,093.7155	29,093.7155	0.5791	2.0367	29,715.1270

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

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	1.0240	8.1516	16.5851	0.0269		0.3436	0.3436		0.3325	0.3325	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.0240	8.1516	16.5851	0.0269		0.3436	0.3436		0.3325	0.3325	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

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	0.0000
Vendor	0.5845	19.4028	7.7869	0.0981	3.3569	0.1599	3.5168	0.9763	0.1530	1.1293		10,400.9247	10,400.9247	0.1037	1.5383	10,861.9148
Worker	7.1046	4.8595	61.6768	0.1849	21.3892	0.1085	21.4977	5.7084	0.0999	5.8083		18,692.7907	18,692.7907	0.4754	0.4985	18,853.2122
Total	7.6891	24.2623	69.4636	0.2830	24.7461	0.2684	25.0145	6.6847	0.2529	6.9376		29,093.7155	29,093.7155	0.5791	2.0367	29,715.1270

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

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	0.0000
Vendor	0.5748	19.4055	7.6998	0.0965	3.5867	0.1588	3.7456	1.0327	0.1519	1.1847		10,240.8016	10,240.8016	0.1074	1.5122	10,694.1301
Worker	6.6412	4.3267	57.6812	0.1791	23.2048	0.1035	23.3083	6.1540	0.0953	6.2493		18,101.1961	18,101.1961	0.4313	0.4630	18,249.9432
Total	7.2159	23.7322	65.3811	0.2756	26.7915	0.2623	27.0539	7.1867	0.2472	7.4340		28,341.9977	28,341.9977	0.5388	1.9752	28,944.0733

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2024

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	0.9674	7.6684	16.5131	0.0270		0.3066	0.3066		0.2964	0.2964	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	0.9674	7.6684	16.5131	0.0270		0.3066	0.3066		0.2964	0.2964	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

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	0.0000
Vendor	0.5748	19.4055	7.6998	0.0965	3.3568	0.1588	3.5157	0.9763	0.1519	1.1282		10,240.8016	10,240.8016	0.1074	1.5122	10,694.1301
Worker	6.6412	4.3267	57.6812	0.1791	21.3892	0.1035	21.4927	5.7084	0.0953	5.8037		18,101.1961	18,101.1961	0.4313	0.4630	18,249.9432
Total	7.2159	23.7322	65.3811	0.2756	24.7460	0.2623	25.0083	6.6847	0.2472	6.9319		28,341.9977	28,341.9977	0.5388	1.9752	28,944.0733

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 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					9.2074	0.0000	9.2074	3.6543	0.0000	3.6543			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	3.3217	34.5156	28.0512	0.0621	9.2074	1.4245	10.6319	3.6543	1.3105	4.9649		6,011.4777	6,011.4777	1.9442		6,060.0836

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	4.3900e-003	0.0890	0.0714	1.7000e-004	1.7100e-003	1.6000e-004	1.8700e-003	4.8000e-004	1.5000e-004	6.3000e-004		17.7088	17.7088	3.0000e-004	2.7900e-003	18.5469
Vendor	0.0000	0.0000	0.0000	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	0.0684	0.0468	0.5942	1.7800e-003	0.2236	1.0500e-003	0.2246	0.0593	9.6000e-004	0.0603		180.0847	180.0847	4.5800e-003	4.8000e-003	181.6302
Total	0.0728	0.1358	0.6655	1.9500e-003	0.2253	1.2100e-003	0.2265	0.0598	1.1100e-003	0.0609		197.7935	197.7935	4.8800e-003	7.5900e-003	200.1771

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Grading - 2023

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					3.5909	0.0000	3.5909	1.4252	0.0000	1.4252			0.0000			0.0000
Off-Road	2.2646	22.5527	30.3204	0.0621		0.8413	0.8413		0.7773	0.7773	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	2.2646	22.5527	30.3204	0.0621	3.5909	0.8413	4.4322	1.4252	0.7773	2.2025	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836

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	4.3900e-003	0.0890	0.0714	1.7000e-004	1.6000e-003	1.6000e-004	1.7600e-003	4.5000e-004	1.5000e-004	6.0000e-004		17.7088	17.7088	3.0000e-004	2.7900e-003	18.5469
Vendor	0.0000	0.0000	0.0000	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	0.0684	0.0468	0.5942	1.7800e-003	0.2061	1.0500e-003	0.2071	0.0550	9.6000e-004	0.0560		180.0847	180.0847	4.5800e-003	4.8000e-003	181.6302
Total	0.0728	0.1358	0.6655	1.9500e-003	0.2077	1.2100e-003	0.2089	0.0554	1.1100e-003	0.0566		197.7935	197.7935	4.8800e-003	7.5900e-003	200.1771

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Demolition S2 - 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					2.9235	0.0000	2.9235	0.4427	0.0000	0.4427			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	2.9235	0.9975	3.9210	0.4427	0.9280	1.3706		3,746.9840	3,746.9840	1.0494		3,773.2183

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	0.0329	1.9924	0.4388	0.0109	0.3538	0.0243	0.3781	0.0970	0.0233	0.1203		1,165.7530	1,165.7530	0.0163	0.1837	1,220.9016
Vendor	0.0000	0.0000	0.0000	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	0.0513	0.0351	0.4456	1.3400e-003	0.1677	7.8000e-004	0.1685	0.0445	7.2000e-004	0.0452		135.0635	135.0635	3.4300e-003	3.6000e-003	136.2226
Total	0.0842	2.0275	0.8845	0.0123	0.5215	0.0251	0.5466	0.1415	0.0240	0.1654		1,300.8165	1,300.8165	0.0197	0.1873	1,357.1242

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Demolition S2 - 2023

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					1.1402	0.0000	1.1402	0.1726	0.0000	0.1726			0.0000			0.0000
Off-Road	0.7334	4.3163	23.0786	0.0388		0.1816	0.1816		0.1816	0.1816	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	0.7334	4.3163	23.0786	0.0388	1.1402	0.1816	1.3217	0.1726	0.1816	0.3542	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183

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	0.0329	1.9924	0.4388	0.0109	0.3297	0.0243	0.3541	0.0911	0.0233	0.1144		1,165.7530	1,165.7530	0.0163	0.1837	1,220.9016
Vendor	0.0000	0.0000	0.0000	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	0.0513	0.0351	0.4456	1.3400e-003	0.1546	7.8000e-004	0.1553	0.0413	7.2000e-004	0.0420		135.0635	135.0635	3.4300e-003	3.6000e-003	136.2226
Total	0.0842	2.0275	0.8845	0.0123	0.4843	0.0251	0.5094	0.1323	0.0240	0.1563		1,300.8165	1,300.8165	0.0197	0.1873	1,357.1242

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Site Preparation S2 - 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					19.6808	0.0000	19.6808	10.1060	0.0000	10.1060			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	19.6808	1.2660	20.9468	10.1060	1.1647	11.2708		3,687.308 1	3,687.308 1	1.1926		3,717.121 9

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	0.0276	0.5588	0.4482	1.0500e-003	0.0107	1.0000e-003	0.0118	2.9900e-003	9.6000e-004	3.9500e-003		111.2335	111.2335	1.8500e-003	0.0175	116.4978
Vendor	0.0000	0.0000	0.0000	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	0.0616	0.0421	0.5348	1.6000e-003	0.2012	9.4000e-004	0.2021	0.0534	8.7000e-004	0.0542		162.0762	162.0762	4.1200e-003	4.3200e-003	163.4672
Total	0.0892	0.6009	0.9830	2.6500e-003	0.2119	1.9400e-003	0.2139	0.0564	1.8300e-003	0.0582		273.3097	273.3097	5.9700e-003	0.0218	279.9650

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Site Preparation S2 - 2023

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					7.6755	0.0000	7.6755	3.9414	0.0000	3.9414			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0381		0.0621	0.0621		0.0621	0.0621	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	0.4656	2.0175	20.8690	0.0381	7.6755	0.0621	7.7376	3.9414	0.0621	4.0034	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9

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	0.0276	0.5588	0.4482	1.0500e-003	0.0100	1.0000e-003	0.0111	2.8200e-003	9.6000e-004	3.7800e-003		111.2335	111.2335	1.8500e-003	0.0175	116.4978
Vendor	0.0000	0.0000	0.0000	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	0.0616	0.0421	0.5348	1.6000e-003	0.1855	9.4000e-004	0.1864	0.0495	8.7000e-004	0.0504		162.0762	162.0762	4.1200e-003	4.3200e-003	163.4672
Total	0.0892	0.6009	0.9830	2.6500e-003	0.1955	1.9400e-003	0.1975	0.0523	1.8300e-003	0.0541		273.3097	273.3097	5.9700e-003	0.0218	279.9650

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Building Construction S2 - 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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

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	0.0000
Vendor	0.5845	19.4028	7.7869	0.0981	3.5868	0.1599	3.7467	1.0328	0.1530	1.1857		10,400.9247	10,400.9247	0.1037	1.5383	10,861.9148
Worker	7.1046	4.8595	61.6768	0.1849	23.2048	0.1085	23.3133	6.1540	0.0999	6.2539		18,692.7907	18,692.7907	0.4754	0.4985	18,853.2122
Total	7.6891	24.2623	69.4636	0.2830	26.7916	0.2684	27.0600	7.1868	0.2529	7.4396		29,093.7155	29,093.7155	0.5791	2.0367	29,715.1270

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Building Construction S2 - 2023

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	1.0240	8.1516	16.5851	0.0269		0.3436	0.3436		0.3325	0.3325	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.0240	8.1516	16.5851	0.0269		0.3436	0.3436		0.3325	0.3325	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

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	0.0000
Vendor	0.5845	19.4028	7.7869	0.0981	3.3569	0.1599	3.5168	0.9763	0.1530	1.1293		10,400.9247	10,400.9247	0.1037	1.5383	10,861.9148
Worker	7.1046	4.8595	61.6768	0.1849	21.3892	0.1085	21.4977	5.7084	0.0999	5.8083		18,692.7907	18,692.7907	0.4754	0.4985	18,853.2122
Total	7.6891	24.2623	69.4636	0.2830	24.7461	0.2684	25.0145	6.6847	0.2529	6.9376		29,093.7155	29,093.7155	0.5791	2.0367	29,715.1270

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Building Construction S2 - 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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

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	0.0000
Vendor	0.5748	19.4055	7.6998	0.0965	3.5867	0.1588	3.7456	1.0327	0.1519	1.1847		10,240.8016	10,240.8016	0.1074	1.5122	10,694.1301
Worker	6.6412	4.3267	57.6812	0.1791	23.2048	0.1035	23.3083	6.1540	0.0953	6.2493		18,101.1961	18,101.1961	0.4313	0.4630	18,249.9432
Total	7.2159	23.7322	65.3811	0.2756	26.7915	0.2623	27.0539	7.1867	0.2472	7.4340		28,341.9977	28,341.9977	0.5388	1.9752	28,944.0733

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Building Construction S2 - 2024

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	0.9674	7.6684	16.5131	0.0270		0.3066	0.3066		0.2964	0.2964	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	0.9674	7.6684	16.5131	0.0270		0.3066	0.3066		0.2964	0.2964	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

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	0.0000
Vendor	0.5748	19.4055	7.6998	0.0965	3.3568	0.1588	3.5157	0.9763	0.1519	1.1282		10,240.8016	10,240.8016	0.1074	1.5122	10,694.1301
Worker	6.6412	4.3267	57.6812	0.1791	21.3892	0.1035	21.4927	5.7084	0.0953	5.8037		18,101.1961	18,101.1961	0.4313	0.4630	18,249.9432
Total	7.2159	23.7322	65.3811	0.2756	24.7460	0.2623	25.0083	6.6847	0.2472	6.9319		28,341.9977	28,341.9977	0.5388	1.9752	28,944.0733

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 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	20.1179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	20.3096	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.4202	0.9714	12.3294	0.0370	4.6387	0.0217	4.6604	1.2302	0.0200	1.2502		3,736.7573	3,736.7573	0.0950	0.0996	3,768.8261
Total	1.4202	0.9714	12.3294	0.0370	4.6387	0.0217	4.6604	1.2302	0.0200	1.2502		3,736.7573	3,736.7573	0.0950	0.0996	3,768.8261

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Architectural Coating - 2023

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	20.1179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	20.3096	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.4202	0.9714	12.3294	0.0370	4.2758	0.0217	4.2975	1.1411	0.0200	1.1611		3,736.7573	3,736.7573	0.0950	0.0996	3,768.8261
Total	1.4202	0.9714	12.3294	0.0370	4.2758	0.0217	4.2975	1.1411	0.0200	1.1611		3,736.7573	3,736.7573	0.0950	0.0996	3,768.8261

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 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	20.1179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	20.2987	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.3276	0.8649	11.5307	0.0358	4.6387	0.0207	4.6594	1.2302	0.0191	1.2493		3,618.4954	3,618.4954	0.0862	0.0926	3,648.2305
Total	1.3276	0.8649	11.5307	0.0358	4.6387	0.0207	4.6594	1.2302	0.0191	1.2493		3,618.4954	3,618.4954	0.0862	0.0926	3,648.2305

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Architectural Coating - 2024

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	20.1179					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	20.2987	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.3276	0.8649	11.5307	0.0358	4.2758	0.0207	4.2965	1.1411	0.0191	1.1602		3,618.4954	3,618.4954	0.0862	0.0926	3,648.2305
Total	1.3276	0.8649	11.5307	0.0358	4.2758	0.0207	4.2965	1.1411	0.0191	1.1602		3,618.4954	3,618.4954	0.0862	0.0926	3,648.2305

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.1554					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1882	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0513	0.0351	0.4456	1.3400e-003	0.1677	7.8000e-004	0.1685	0.0445	7.2000e-004	0.0452		135.0635	135.0635	3.4300e-003	3.6000e-003	136.2226
Total	0.0513	0.0351	0.4456	1.3400e-003	0.1677	7.8000e-004	0.1685	0.0445	7.2000e-004	0.0452		135.0635	135.0635	3.4300e-003	3.6000e-003	136.2226

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Paving - 2023

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	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.584 1	2,207.584 1	0.7140		2,225.433 6
Paving	0.1554					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4359	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.584 1	2,207.584 1	0.7140		2,225.433 6

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0513	0.0351	0.4456	1.3400e-003	0.1546	7.8000e-004	0.1553	0.0413	7.2000e-004	0.0420		135.0635	135.0635	3.4300e-003	3.6000e-003	136.2226
Total	0.0513	0.0351	0.4456	1.3400e-003	0.1546	7.8000e-004	0.1553	0.0413	7.2000e-004	0.0420		135.0635	135.0635	3.4300e-003	3.6000e-003	136.2226

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.1554					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1436	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0480	0.0313	0.4168	1.2900e-003	0.1677	7.5000e-004	0.1684	0.0445	6.9000e-004	0.0452		130.7890	130.7890	3.1200e-003	3.3500e-003	131.8638
Total	0.0480	0.0313	0.4168	1.2900e-003	0.1677	7.5000e-004	0.1684	0.0445	6.9000e-004	0.0452		130.7890	130.7890	3.1200e-003	3.3500e-003	131.8638

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Paving - 2024

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	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.1554					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4359	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0480	0.0313	0.4168	1.2900e-003	0.1546	7.5000e-004	0.1553	0.0413	6.9000e-004	0.0419		130.7890	130.7890	3.1200e-003	3.3500e-003	131.8638
Total	0.0480	0.0313	0.4168	1.2900e-003	0.1546	7.5000e-004	0.1553	0.0413	6.9000e-004	0.0419		130.7890	130.7890	3.1200e-003	3.3500e-003	131.8638

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.11 Paving S2 - 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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.7951					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.8279	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0513	0.0351	0.4456	1.3400e-003	0.1677	7.8000e-004	0.1685	0.0445	7.2000e-004	0.0452		135.0635	135.0635	3.4300e-003	3.6000e-003	136.2226
Total	0.0513	0.0351	0.4456	1.3400e-003	0.1677	7.8000e-004	0.1685	0.0445	7.2000e-004	0.0452		135.0635	135.0635	3.4300e-003	3.6000e-003	136.2226

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.11 Paving S2 - 2023

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	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.584 1	2,207.584 1	0.7140		2,225.433 6
Paving	0.7951					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0756	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.584 1	2,207.584 1	0.7140		2,225.433 6

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0513	0.0351	0.4456	1.3400e-003	0.1546	7.8000e-004	0.1553	0.0413	7.2000e-004	0.0420		135.0635	135.0635	3.4300e-003	3.6000e-003	136.2226
Total	0.0513	0.0351	0.4456	1.3400e-003	0.1546	7.8000e-004	0.1553	0.0413	7.2000e-004	0.0420		135.0635	135.0635	3.4300e-003	3.6000e-003	136.2226

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.11 Paving S2 - 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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.7951					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7833	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0480	0.0313	0.4168	1.2900e-003	0.1677	7.5000e-004	0.1684	0.0445	6.9000e-004	0.0452		130.7890	130.7890	3.1200e-003	3.3500e-003	131.8638
Total	0.0480	0.0313	0.4168	1.2900e-003	0.1677	7.5000e-004	0.1684	0.0445	6.9000e-004	0.0452		130.7890	130.7890	3.1200e-003	3.3500e-003	131.8638

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.11 Paving S2 - 2024

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	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.7951					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0756	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0480	0.0313	0.4168	1.2900e-003	0.1546	7.5000e-004	0.1553	0.0413	6.9000e-004	0.0419		130.7890	130.7890	3.1200e-003	3.3500e-003	131.8638
Total	0.0480	0.0313	0.4168	1.2900e-003	0.1546	7.5000e-004	0.1553	0.0413	6.9000e-004	0.0419		130.7890	130.7890	3.1200e-003	3.3500e-003	131.8638

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.12 Demolition S3 - 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					
Fugitive Dust					8.6163	0.0000	8.6163	1.3046	0.0000	1.3046			0.0000			0.0000
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922		3,747.4228	3,747.4228	1.0485		3,773.6345
Total	2.2437	20.8781	19.7073	0.0388	8.6163	0.9602	9.5765	1.3046	0.8922	2.1968		3,747.4228	3,747.4228	1.0485		3,773.6345

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	0.0740	3.6651	1.0616	0.0182	0.5819	0.0400	0.6219	0.1596	0.0382	0.1978		1,942.8194	1,942.8194	0.0293	0.3062	2,034.8003
Vendor	0.0000	0.0000	0.0000	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	0.0480	0.0313	0.4168	1.2900e-003	0.1677	7.5000e-004	0.1684	0.0445	6.9000e-004	0.0452		130.7890	130.7890	3.1200e-003	3.3500e-003	131.8638
Total	0.1220	3.6964	1.4783	0.0195	0.7496	0.0407	0.7903	0.2040	0.0389	0.2429		2,073.6084	2,073.6084	0.0324	0.3096	2,166.6640

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.12 Demolition S3 - 2024

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					3.3604	0.0000	3.3604	0.5088	0.0000	0.5088			0.0000			0.0000
Off-Road	0.7126	4.1463	23.0713	0.0388		0.1638	0.1638		0.1638	0.1638	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345
Total	0.7126	4.1463	23.0713	0.0388	3.3604	0.1638	3.5242	0.5088	0.1638	0.6726	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345

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	0.0740	3.6651	1.0616	0.0182	0.5424	0.0400	0.5824	0.1498	0.0382	0.1881		1,942.8194	1,942.8194	0.0293	0.3062	2,034.8003
Vendor	0.0000	0.0000	0.0000	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	0.0480	0.0313	0.4168	1.2900e-003	0.1546	7.5000e-004	0.1553	0.0413	6.9000e-004	0.0419		130.7890	130.7890	3.1200e-003	3.3500e-003	131.8638
Total	0.1220	3.6964	1.4783	0.0195	0.6969	0.0407	0.7376	0.1911	0.0389	0.2300		2,073.6084	2,073.6084	0.0324	0.3096	2,166.6640

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.13 Site Preparation S3 - 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					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310		3,688.010 0	3,688.010 0	1.1928		3,717.829 4
Total	2.6609	27.1760	18.3356	0.0381	19.6570	1.2294	20.8864	10.1025	1.1310	11.2335		3,688.010 0	3,688.010 0	1.1928		3,717.829 4

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0576	0.0375	0.5001	1.5500e-003	0.2012	9.0000e-004	0.2021	0.0534	8.3000e-004	0.0542		156.9468	156.9468	3.7400e-003	4.0100e-003	158.2365
Total	0.0576	0.0375	0.5001	1.5500e-003	0.2012	9.0000e-004	0.2021	0.0534	8.3000e-004	0.0542		156.9468	156.9468	3.7400e-003	4.0100e-003	158.2365

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.13 Site Preparation S3 - 2024

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					7.6662	0.0000	7.6662	3.9400	0.0000	3.9400			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0381		0.0621	0.0621		0.0621	0.0621	0.0000	3,688.010 0	3,688.010 0	1.1928		3,717.829 4
Total	0.4656	2.0175	20.8690	0.0381	7.6662	0.0621	7.7283	3.9400	0.0621	4.0020	0.0000	3,688.010 0	3,688.010 0	1.1928		3,717.829 4

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0576	0.0375	0.5001	1.5500e-003	0.1855	9.0000e-004	0.1864	0.0495	8.3000e-004	0.0503		156.9468	156.9468	3.7400e-003	4.0100e-003	158.2365
Total	0.0576	0.0375	0.5001	1.5500e-003	0.1855	9.0000e-004	0.1864	0.0495	8.3000e-004	0.0503		156.9468	156.9468	3.7400e-003	4.0100e-003	158.2365

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.14 Grading S3 - 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					
Fugitive Dust					9.2056	0.0000	9.2056	3.6541	0.0000	3.6541			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286		6,009.7487	6,009.7487	1.9437		6,058.3405
Total	3.2181	32.3770	27.7228	0.0621	9.2056	1.3354	10.5410	3.6541	1.2286	4.8826		6,009.7487	6,009.7487	1.9437		6,058.3405

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	3.9300e-003	0.2075	0.0554	1.0600e-003	0.0342	2.3500e-003	0.0366	9.3800e-003	2.2400e-003	0.0116		113.0537	113.0537	1.7000e-003	0.0178	118.4061
Vendor	0.0000	0.0000	0.0000	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	0.0640	0.0417	0.5557	1.7300e-003	0.2236	1.0000e-003	0.2246	0.0593	9.2000e-004	0.0602		174.3853	174.3853	4.1600e-003	4.4600e-003	175.8183
Total	0.0679	0.2492	0.6111	2.7900e-003	0.2578	3.3500e-003	0.2611	0.0687	3.1600e-003	0.0718		287.4390	287.4390	5.8600e-003	0.0223	294.2244

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.14 Grading S3 - 2024

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					3.5902	0.0000	3.5902	1.4251	0.0000	1.4251			0.0000			0.0000
Off-Road	2.1823	20.8800	29.9442	0.0621		0.7841	0.7841		0.7247	0.7247	0.0000	6,009.7487	6,009.7487	1.9437		6,058.3405
Total	2.1823	20.8800	29.9442	0.0621	3.5902	0.7841	4.3743	1.4251	0.7247	2.1498	0.0000	6,009.7487	6,009.7487	1.9437		6,058.3405

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	3.9300e-003	0.2075	0.0554	1.0600e-003	0.0319	2.3500e-003	0.0342	8.8100e-003	2.2400e-003	0.0111		113.0537	113.0537	1.7000e-003	0.0178	118.4061
Vendor	0.0000	0.0000	0.0000	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	0.0640	0.0417	0.5557	1.7300e-003	0.2061	1.0000e-003	0.2071	0.0550	9.2000e-004	0.0559		174.3853	174.3853	4.1600e-003	4.4600e-003	175.8183
Total	0.0679	0.2492	0.6111	2.7900e-003	0.2380	3.3500e-003	0.2413	0.0638	3.1600e-003	0.0670		287.4390	287.4390	5.8600e-003	0.0223	294.2244

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.15 Building Construction S3 - 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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

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	0.0000
Vendor	0.5748	19.4055	7.6998	0.0965	3.5867	0.1588	3.7456	1.0327	0.1519	1.1847		10,240.8016	10,240.8016	0.1074	1.5122	10,694.1301
Worker	6.6412	4.3267	57.6812	0.1791	23.2048	0.1035	23.3083	6.1540	0.0953	6.2493		18,101.1961	18,101.1961	0.4313	0.4630	18,249.9432
Total	7.2159	23.7322	65.3811	0.2756	26.7915	0.2623	27.0539	7.1867	0.2472	7.4340		28,341.9977	28,341.9977	0.5388	1.9752	28,944.0733

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.15 Building Construction S3 - 2024

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	0.9674	7.6684	16.5131	0.0270		0.3066	0.3066		0.2964	0.2964	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	0.9674	7.6684	16.5131	0.0270		0.3066	0.3066		0.2964	0.2964	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

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	0.0000
Vendor	0.5748	19.4055	7.6998	0.0965	3.3568	0.1588	3.5157	0.9763	0.1519	1.1282		10,240.8016	10,240.8016	0.1074	1.5122	10,694.1301
Worker	6.6412	4.3267	57.6812	0.1791	21.3892	0.1035	21.4927	5.7084	0.0953	5.8037		18,101.1961	18,101.1961	0.4313	0.4630	18,249.9432
Total	7.2159	23.7322	65.3811	0.2756	24.7460	0.2623	25.0083	6.6847	0.2472	6.9319		28,341.9977	28,341.9977	0.5388	1.9752	28,944.0733

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.15 Building Construction S3 - 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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.0000
Vendor	0.5668	19.2466	7.6154	0.0948	3.5867	0.1589	3.7456	1.0327	0.1520	1.1847		10,060.42 94	10,060.42 94	0.1115	1.4826	10,505.02 62
Worker	6.2223	3.8770	53.7112	0.1730	23.2048	0.0982	23.3030	6.1540	0.0904	6.2444		17,488.57 28	17,488.57 28	0.3899	0.4320	17,627.04 28
Total	6.7891	23.1237	61.3266	0.2678	26.7915	0.2571	27.0486	7.1867	0.2424	7.4292		27,549.00 22	27,549.00 22	0.5014	1.9145	28,132.06 90

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.15 Building Construction S3 - 2025

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	0.9161	7.1863	16.4632	0.0270		0.2749	0.2749		0.2655	0.2655	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.9161	7.1863	16.4632	0.0270		0.2749	0.2749		0.2655	0.2655	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.0000
Vendor	0.5668	19.2466	7.6154	0.0948	3.3568	0.1589	3.5157	0.9763	0.1520	1.1283		10,060.42 94	10,060.42 94	0.1115	1.4826	10,505.02 62
Worker	6.2223	3.8770	53.7112	0.1730	21.3892	0.0982	21.4874	5.7084	0.0904	5.7988		17,488.57 28	17,488.57 28	0.3899	0.4320	17,627.04 28
Total	6.7891	23.1237	61.3266	0.2678	24.7459	0.2571	25.0031	6.6846	0.2424	6.9271		27,549.00 22	27,549.00 22	0.5014	1.9145	28,132.06 90

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.15 Building Construction S3 - 2026

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.0000
Vendor	0.5596	19.0550	7.5447	0.0931	3.5866	0.1582	3.7448	1.0327	0.1514	1.1840		9,877.497 3	9,877.497 3	0.1155	1.4528	10,313.31 18
Worker	5.8603	3.5078	50.3648	0.1676	23.2048	0.0930	23.2978	6.1540	0.0856	6.2396		16,945.20 27	16,945.20 27	0.3542	0.4063	17,075.14 01
Total	6.4199	22.5627	57.9094	0.2607	26.7914	0.2512	27.0426	7.1867	0.2369	7.4236		26,822.70 00	26,822.70 00	0.4698	1.8591	27,388.45 19

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.15 Building Construction S3 - 2026

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	0.9161	7.1863	16.4632	0.0270		0.2749	0.2749		0.2655	0.2655	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.9161	7.1863	16.4632	0.0270		0.2749	0.2749		0.2655	0.2655	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.0000
Vendor	0.5596	19.0550	7.5447	0.0931	3.3567	0.1582	3.5149	0.9763	0.1514	1.1276		9,877.497 3	9,877.497 3	0.1155	1.4528	10,313.31 18
Worker	5.8603	3.5078	50.3648	0.1676	21.3892	0.0930	21.4821	5.7084	0.0856	5.7939		16,945.20 27	16,945.20 27	0.3542	0.4063	17,075.14 01
Total	6.4199	22.5627	57.9094	0.2607	24.7459	0.2512	24.9971	6.6846	0.2369	6.9216		26,822.70 00	26,822.70 00	0.4698	1.8591	27,388.45 19

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.16 Architectural Coating S2 - 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	5.0308					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	5.2115	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.3276	0.8649	11.5307	0.0358	4.6387	0.0207	4.6594	1.2302	0.0191	1.2493		3,618.4954	3,618.4954	0.0862	0.0926	3,648.2305
Total	1.3276	0.8649	11.5307	0.0358	4.6387	0.0207	4.6594	1.2302	0.0191	1.2493		3,618.4954	3,618.4954	0.0862	0.0926	3,648.2305

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.16 Architectural Coating S2 - 2024

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	5.0308					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	5.2115	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.3276	0.8649	11.5307	0.0358	4.2758	0.0207	4.2965	1.1411	0.0191	1.1602		3,618.4954	3,618.4954	0.0862	0.0926	3,648.2305
Total	1.3276	0.8649	11.5307	0.0358	4.2758	0.0207	4.2965	1.1411	0.0191	1.1602		3,618.4954	3,618.4954	0.0862	0.0926	3,648.2305

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.16 Architectural Coating S2 - 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	5.0308					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	5.2016	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.2439	0.7750	10.7371	0.0346	4.6387	0.0196	4.6584	1.2302	0.0181	1.2483		3,496.0297	3,496.0297	0.0780	0.0864	3,523.7104
Total	1.2439	0.7750	10.7371	0.0346	4.6387	0.0196	4.6584	1.2302	0.0181	1.2483		3,496.0297	3,496.0297	0.0780	0.0864	3,523.7104

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.16 Architectural Coating S2 - 2025

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	5.0308					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	5.2016	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.2439	0.7750	10.7371	0.0346	4.2758	0.0196	4.2954	1.1411	0.0181	1.1592		3,496.0297	3,496.0297	0.0780	0.0864	3,523.7104
Total	1.2439	0.7750	10.7371	0.0346	4.2758	0.0196	4.2954	1.1411	0.0181	1.1592		3,496.0297	3,496.0297	0.0780	0.0864	3,523.7104

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.17 Architectural Coating S3 - 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	52.9235					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	53.0943	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.2439	0.7750	10.7371	0.0346	4.6387	0.0196	4.6584	1.2302	0.0181	1.2483		3,496.0297	3,496.0297	0.0780	0.0864	3,523.7104
Total	1.2439	0.7750	10.7371	0.0346	4.6387	0.0196	4.6584	1.2302	0.0181	1.2483		3,496.0297	3,496.0297	0.0780	0.0864	3,523.7104

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.17 Architectural Coating S3 - 2025

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	52.9235					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	53.0943	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.2439	0.7750	10.7371	0.0346	4.2758	0.0196	4.2954	1.1411	0.0181	1.1592		3,496.0297	3,496.0297	0.0780	0.0864	3,523.7104
Total	1.2439	0.7750	10.7371	0.0346	4.2758	0.0196	4.2954	1.1411	0.0181	1.1592		3,496.0297	3,496.0297	0.0780	0.0864	3,523.7104

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.17 Architectural Coating S3 - 2026

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	52.9235					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	53.0943	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.1715	0.7012	10.0681	0.0335	4.6387	0.0186	4.6573	1.2302	0.0171	1.2473		3,387.4081	3,387.4081	0.0708	0.0812	3,413.3830
Total	1.1715	0.7012	10.0681	0.0335	4.6387	0.0186	4.6573	1.2302	0.0171	1.2473		3,387.4081	3,387.4081	0.0708	0.0812	3,413.3830

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.17 Architectural Coating S3 - 2026

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	52.9235					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	53.0943	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	1.1715	0.7012	10.0681	0.0335	4.2758	0.0186	4.2944	1.1411	0.0171	1.1582		3,387.4081	3,387.4081	0.0708	0.0812	3,413.3830
Total	1.1715	0.7012	10.0681	0.0335	4.2758	0.0186	4.2944	1.1411	0.0171	1.1582		3,387.4081	3,387.4081	0.0708	0.0812	3,413.3830

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.18 Paving S3 - 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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.2849					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2001	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0450	0.0280	0.3881	1.2500e-003	0.1677	7.1000e-004	0.1684	0.0445	6.5000e-004	0.0451		126.3625	126.3625	2.8200e-003	3.1200e-003	127.3630
Total	0.0450	0.0280	0.3881	1.2500e-003	0.1677	7.1000e-004	0.1684	0.0445	6.5000e-004	0.0451		126.3625	126.3625	2.8200e-003	3.1200e-003	127.3630

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.18 Paving S3 - 2025

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	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.2849					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5654	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0450	0.0280	0.3881	1.2500e-003	0.1546	7.1000e-004	0.1553	0.0413	6.5000e-004	0.0419		126.3625	126.3625	2.8200e-003	3.1200e-003	127.3630
Total	0.0450	0.0280	0.3881	1.2500e-003	0.1546	7.1000e-004	0.1553	0.0413	6.5000e-004	0.0419		126.3625	126.3625	2.8200e-003	3.1200e-003	127.3630

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.18 Paving S3 - 2026

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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.2849					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2001	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0423	0.0254	0.3639	1.2100e-003	0.1677	6.7000e-004	0.1683	0.0445	6.2000e-004	0.0451		122.4364	122.4364	2.5600e-003	2.9400e-003	123.3753
Total	0.0423	0.0254	0.3639	1.2100e-003	0.1677	6.7000e-004	0.1683	0.0445	6.2000e-004	0.0451		122.4364	122.4364	2.5600e-003	2.9400e-003	123.3753

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.18 Paving S3 - 2026

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	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.2849					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5654	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8

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	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0423	0.0254	0.3639	1.2100e-003	0.1546	6.7000e-004	0.1552	0.0413	6.2000e-004	0.0419		122.4364	122.4364	2.5600e-003	2.9400e-003	123.3753
Total	0.0423	0.0254	0.3639	1.2100e-003	0.1546	6.7000e-004	0.1552	0.0413	6.2000e-004	0.0419		122.4364	122.4364	2.5600e-003	2.9400e-003	123.3753

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	93.0486	128.3400	823.5223	1.8801	217.2513	1.5556	218.8069	57.9500	1.4570	59.4069		191,709.9645	191,709.9645	11.3470	10.3124	195,066.7429
Unmitigated	93.0486	128.3400	823.5223	1.8801	217.2513	1.5556	218.8069	57.9500	1.4570	59.4069		191,709.9645	191,709.9645	11.3470	10.3124	195,066.7429

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	3,242.24	2,926.36	2437.64	10,532,248	10,532,248
Apartments Mid Rise	5,608.64	5,062.21	4216.79	18,219,375	18,219,375
City Park	1.15	2.90	3.24	4,898	4,898
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	584.40	132.60	42.00	1,425,082	1,425,082
Hotel	2,257.20	2,211.30	1606.50	5,148,607	5,148,607
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Strip Mall	34,337.36	32,570.91	15828.35	59,819,245	59,819,245
Total	46,031.00	42,906.28	24,134.52	95,149,455	95,149,455

4.3 Trip Type Information

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Land Use	Miles			Trip %			Trip Purpose %		
	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	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Apartments Mid Rise	14.70	5.90	8.70	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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.542916	0.056689	0.174450	0.134041	0.024680	0.006960	0.011589	0.018600	0.000608	0.000298	0.023389	0.001091	0.004689
City Park	0.542916	0.056689	0.174450	0.134041	0.024680	0.006960	0.011589	0.018600	0.000608	0.000298	0.023389	0.001091	0.004689
Enclosed Parking with Elevator	0.542916	0.056689	0.174450	0.134041	0.024680	0.006960	0.011589	0.018600	0.000608	0.000298	0.023389	0.001091	0.004689
General Office Building	0.542916	0.056689	0.174450	0.134041	0.024680	0.006960	0.011589	0.018600	0.000608	0.000298	0.023389	0.001091	0.004689
Hotel	0.542916	0.056689	0.174450	0.134041	0.024680	0.006960	0.011589	0.018600	0.000608	0.000298	0.023389	0.001091	0.004689
Parking Lot	0.542916	0.056689	0.174450	0.134041	0.024680	0.006960	0.011589	0.018600	0.000608	0.000298	0.023389	0.001091	0.004689
Strip Mall	0.542916	0.056689	0.174450	0.134041	0.024680	0.006960	0.011589	0.018600	0.000608	0.000298	0.023389	0.001091	0.004689

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Natural Gas Mitigated	1.4366	12.6825	8.2046	0.0784		0.9925	0.9925		0.9925	0.9925		15,671.48 10	15,671.48 10	0.3004	0.2873	15,764.60 88
Natural Gas Unmitigated	1.4366	12.6825	8.2046	0.0784		0.9925	0.9925		0.9925	0.9925		15,671.48 10	15,671.48 10	0.3004	0.2873	15,764.60 88

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	23484.3	0.2533	2.1642	0.9210	0.0138		0.1750	0.1750		0.1750	0.1750		2,762.8601	2,762.8601	0.0530	0.0507	2,779.2784
Apartments Mid Rise	40624.7	0.4381	3.7439	1.5931	0.0239		0.3027	0.3027		0.3027	0.3027		4,779.3770	4,779.3770	0.0916	0.0876	4,807.7785
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
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
General Office Building	563.836	6.0800e-003	0.0553	0.0464	3.3000e-004		4.2000e-003	4.2000e-003		4.2000e-003	4.2000e-003		66.3336	66.3336	1.2700e-003	1.2200e-003	66.7278
Hotel	63864.9	0.6887	6.2613	5.2595	0.0376		0.4759	0.4759		0.4759	0.4759		7,513.5208	7,513.5208	0.1440	0.1378	7,558.1699
Parking Lot	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
Strip Mall	4669.81	0.0504	0.4578	0.3846	2.7500e-003		0.0348	0.0348		0.0348	0.0348		549.3895	549.3895	0.0105	0.0101	552.6542
Total		1.4366	12.6825	8.2045	0.0784		0.9925	0.9925		0.9925	0.9925		15,671.4810	15,671.4810	0.3004	0.2873	15,764.6088

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

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	23.4843	0.2533	2.1642	0.9210	0.0138		0.1750	0.1750		0.1750	0.1750		2,762.8601	2,762.8601	0.0530	0.0507	2,779.2784
Apartments Mid Rise	40.6247	0.4381	3.7439	1.5931	0.0239		0.3027	0.3027		0.3027	0.3027		4,779.3770	4,779.3770	0.0916	0.0876	4,807.7785
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
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
General Office Building	0.563836	6.0800e-003	0.0553	0.0464	3.3000e-004		4.2000e-003	4.2000e-003		4.2000e-003	4.2000e-003		66.3336	66.3336	1.2700e-003	1.2200e-003	66.7278
Hotel	63.8649	0.6887	6.2613	5.2595	0.0376		0.4759	0.4759		0.4759	0.4759		7,513.5208	7,513.5208	0.1440	0.1378	7,558.1699
Parking Lot	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
Strip Mall	4.66981	0.0504	0.4578	0.3846	2.7500e-003		0.0348	0.0348		0.0348	0.0348		549.3895	549.3895	0.0105	0.0101	552.6542
Total		1.4366	12.6825	8.2045	0.0784		0.9925	0.9925		0.9925	0.9925		15,671.4810	15,671.4810	0.3004	0.2873	15,764.6088

6.0 Area Detail

6.1 Mitigation Measures Area

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	919.5891	69.0624	1,789.2261	4.2287		249.3127	249.3127		249.3127	249.3127	30,479.9525	58,814.3307	89,294.2832	91.1302	2.0688	92,189.0299
Unmitigated	919.5891	69.0624	1,789.2261	4.2287		249.3127	249.3127		249.3127	249.3127	30,479.9525	58,814.3307	89,294.2832	91.1302	2.0688	92,189.0299

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	5.9858					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	56.8846					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	852.6651	67.5150	1,654.8277	4.2216		248.5676	248.5676		248.5676	248.5676	30,479.9525	58,572.0000	89,051.9525	90.8971	2.0688	91,940.8715
Landscaping	4.0536	1.5474	134.3984	7.1100e-003		0.7452	0.7452		0.7452	0.7452		242.3307	242.3307	0.2331		248.1584
Total	919.5891	69.0624	1,789.2261	4.2287		249.3127	249.3127		249.3127	249.3127	30,479.9525	58,814.3307	89,294.2832	91.1302	2.0688	92,189.0299

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

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	5.9858					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	56.8846					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	852.6651	67.5150	1,654.8277	4.2216		248.5676	248.5676		248.5676	248.5676	30,479.9525	58,572.0000	89,051.9525	90.8971	2.0688	91,940.8715
Landscaping	4.0536	1.5474	134.3984	7.1100e-003		0.7452	0.7452		0.7452	0.7452		242.3307	242.3307	0.2331		248.1584
Total	919.5891	69.0624	1,789.2261	4.2287		249.3127	249.3127		249.3127	249.3127	30,479.9525	58,814.3307	89,294.2832	91.1302	2.0688	92,189.0299

7.0 Water Detail

7.1 Mitigation Measures Water

Moreno Valley Mall - Construction Only - with mitigation - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Operations Only Modeling

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Moreno Valley Redevelopment Project - Operations

Riverside-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	60.00	1000sqft	1.38	60,000.00	0
Enclosed Parking with Elevator	1,053.00	Space	9.48	421,200.00	0
City Park	1.48	Acre	1.48	64,263.98	0
Hotel	270.00	Room	9.00	392,040.00	0
Apartments Mid Rise	1,627.00	Dwelling Unit	42.82	1,867,700.00	4653
Strip Mall	24.00	1000sqft	0.55	24,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2026
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - multi-family square feet based on site plan, other land uses conservatively use default settings which are higher, landscape area shown as park,

Construction Phase - Operations only Model, no construction

Off-road Equipment - operations only, no construction

Trips and VMT - Operations only Model, no construction

Vehicle Trips - residential trip rate 7,390/1,627 = 4.542102028272895, Hotel rate 2158/270 = 7.992592592592593, office rate 652/60 = 10.866666666666667, mall addition 876/24 =36.5,

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Vehicle Emission Factors - EMFAC 2021 - Riverside County (SC)2026

Vehicle Emission Factors - EMFAC 2021 - Riverside County (SC)2026

Vehicle Emission Factors - EMFAC 2021 - Riverside County (SC)2026

Woodstoves - no wood burning per SCAQMD Rule 445

Mobile Land Use Mitigation -

Area Mitigation -

Water Mitigation -

Fleet Mix - modified fleet mix based on traffic study

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	1,110.00	1.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberWood	81.35	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.54	0.55
tblFleetMix	LDA	0.54	0.55
tblFleetMix	LDA	0.54	0.55
tblFleetMix	LDA	0.54	0.55
tblFleetMix	LDA	0.54	0.55
tblFleetMix	LDA	0.54	0.55
tblFleetMix	LDA	0.54	0.55
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT1	0.06	0.06

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LHD1	0.02	0.03
tblFleetMix	LHD1	0.02	0.03
tblFleetMix	LHD1	0.02	0.03
tblFleetMix	LHD1	0.02	0.03
tblFleetMix	LHD1	0.02	0.03
tblFleetMix	LHD1	0.02	0.03
tblFleetMix	LHD2	6.9600e-003	0.00
tblFleetMix	LHD2	6.9600e-003	0.00
tblFleetMix	LHD2	6.9600e-003	0.00
tblFleetMix	LHD2	6.9600e-003	0.00
tblFleetMix	LHD2	6.9600e-003	0.00
tblFleetMix	LHD2	6.9600e-003	0.00
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MDV	0.13	0.14
tblFleetMix	MDV	0.13	0.14
tblFleetMix	MDV	0.13	0.14

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFleetMix	MDV	0.13	0.14
tblFleetMix	MDV	0.13	0.14
tblFleetMix	MDV	0.13	0.14
tblFleetMix	MH	4.6890e-003	0.00
tblFleetMix	MH	4.6890e-003	0.00
tblFleetMix	MH	4.6890e-003	0.00
tblFleetMix	MH	4.6890e-003	0.00
tblFleetMix	MH	4.6890e-003	0.00
tblFleetMix	MH	4.6890e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	6.0800e-004	0.00
tblFleetMix	OBUS	6.0800e-004	0.00
tblFleetMix	OBUS	6.0800e-004	0.00
tblFleetMix	OBUS	6.0800e-004	0.00
tblFleetMix	OBUS	6.0800e-004	0.00
tblFleetMix	OBUS	6.0800e-004	0.00
tblFleetMix	SBUS	1.0910e-003	0.00
tblFleetMix	SBUS	1.0910e-003	0.00
tblFleetMix	SBUS	1.0910e-003	0.00
tblFleetMix	SBUS	1.0910e-003	0.00
tblFleetMix	SBUS	1.0910e-003	0.00
tblFleetMix	SBUS	1.0910e-003	0.00
tblFleetMix	UBUS	2.9800e-004	0.00
tblFleetMix	UBUS	2.9800e-004	0.00

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFleetMix	UBUS	2.9800e-004	0.00
tblFleetMix	UBUS	2.9800e-004	0.00
tblFleetMix	UBUS	2.9800e-004	0.00
tblFleetMix	UBUS	2.9800e-004	0.00
tblLandUse	LandUseSquareFeet	64,468.80	64,263.98
tblLandUse	LandUseSquareFeet	1,627,000.00	1,867,700.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblTripsAndVMT	VendorTripNumber	332.00	0.00
tblTripsAndVMT	WorkerTripNumber	1,567.00	0.00
tblVehicleEF	HHD	0.03	0.11
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	8.34	5.04
tblVehicleEF	HHD	0.22	0.19
tblVehicleEF	HHD	2.2440e-003	2.0750e-003
tblVehicleEF	HHD	1,303.68	775.04
tblVehicleEF	HHD	1,185.67	1,500.37
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.21	0.12
tblVehicleEF	HHD	0.19	0.24
tblVehicleEF	HHD	1.0000e-006	4.0000e-006
tblVehicleEF	HHD	6.75	3.98
tblVehicleEF	HHD	1.88	1.45
tblVehicleEF	HHD	2.39	2.76
tblVehicleEF	HHD	2.6250e-003	1.8450e-003
tblVehicleEF	HHD	0.06	0.07

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	2.5110e-003	1.7600e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8900e-003	8.7810e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	1.0000e-006	1.2900e-004
tblVehicleEF	HHD	3.5000e-005	3.3000e-005
tblVehicleEF	HHD	0.56	0.33
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.3000e-005	3.4000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.01	7.0390e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	1.0000e-006	1.2900e-004
tblVehicleEF	HHD	3.5000e-005	3.3000e-005
tblVehicleEF	HHD	0.64	0.47
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	1.3000e-005	3.4000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.03	0.11
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	8.23	4.97
tblVehicleEF	HHD	0.23	0.19
tblVehicleEF	HHD	2.1300e-003	1.9580e-003
tblVehicleEF	HHD	1,286.98	765.93
tblVehicleEF	HHD	1,185.67	1,500.37

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.20	0.12
tblVehicleEF	HHD	0.19	0.24
tblVehicleEF	HHD	1.0000e-006	4.0000e-006
tblVehicleEF	HHD	6.42	3.79
tblVehicleEF	HHD	1.77	1.38
tblVehicleEF	HHD	2.39	2.76
tblVehicleEF	HHD	2.3220e-003	1.6370e-003
tblVehicleEF	HHD	0.06	0.07
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	2.2220e-003	1.5620e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8900e-003	8.7810e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	2.0000e-006	1.8300e-004
tblVehicleEF	HHD	3.9000e-005	3.6000e-005
tblVehicleEF	HHD	0.60	0.35
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.3000e-005	3.6000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.01	6.9530e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0000e-006	1.8300e-004
tblVehicleEF	HHD	3.9000e-005	3.6000e-005
tblVehicleEF	HHD	0.68	0.49
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.04	0.04

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	HHD	1.3000e-005	3.6000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.03	0.11
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	8.49	5.13
tblVehicleEF	HHD	0.22	0.19
tblVehicleEF	HHD	2.2470e-003	2.0530e-003
tblVehicleEF	HHD	1,326.74	787.61
tblVehicleEF	HHD	1,185.67	1,500.37
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.21	0.13
tblVehicleEF	HHD	0.19	0.24
tblVehicleEF	HHD	1.0000e-006	4.0000e-006
tblVehicleEF	HHD	7.20	4.24
tblVehicleEF	HHD	1.86	1.43
tblVehicleEF	HHD	2.39	2.76
tblVehicleEF	HHD	3.0430e-003	2.1320e-003
tblVehicleEF	HHD	0.06	0.07
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	2.9110e-003	2.0350e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8900e-003	8.7810e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	1.0000e-006	1.3100e-004
tblVehicleEF	HHD	3.8000e-005	3.3000e-005
tblVehicleEF	HHD	0.52	0.30
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.02	0.01

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	HHD	1.4000e-005	3.6000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.01	7.1580e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	1.0000e-006	1.3100e-004
tblVehicleEF	HHD	3.8000e-005	3.3000e-005
tblVehicleEF	HHD	0.59	0.44
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	1.4000e-005	3.6000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	LDA	1.3900e-003	1.7950e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.49	0.63
tblVehicleEF	LDA	1.78	2.42
tblVehicleEF	LDA	226.97	254.28
tblVehicleEF	LDA	46.78	63.08
tblVehicleEF	LDA	3.5640e-003	3.8500e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.14	0.20
tblVehicleEF	LDA	0.04	6.8120e-003
tblVehicleEF	LDA	1.1390e-003	1.1350e-003
tblVehicleEF	LDA	1.5610e-003	1.8510e-003
tblVehicleEF	LDA	0.02	2.3840e-003
tblVehicleEF	LDA	1.0480e-003	1.0440e-003
tblVehicleEF	LDA	1.4360e-003	1.7020e-003
tblVehicleEF	LDA	0.05	0.29
tblVehicleEF	LDA	0.08	0.08

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	4.8900e-003	6.4240e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.15	0.24
tblVehicleEF	LDA	2.2450e-003	2.5140e-003
tblVehicleEF	LDA	4.6300e-004	6.2400e-004
tblVehicleEF	LDA	0.05	0.29
tblVehicleEF	LDA	0.08	0.08
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	7.1090e-003	9.3600e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.16	0.27
tblVehicleEF	LDA	1.5850e-003	1.9070e-003
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.60	0.84
tblVehicleEF	LDA	1.58	2.03
tblVehicleEF	LDA	246.66	275.38
tblVehicleEF	LDA	46.39	62.35
tblVehicleEF	LDA	3.3980e-003	3.4260e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.13	0.19
tblVehicleEF	LDA	0.04	6.8120e-003
tblVehicleEF	LDA	1.1390e-003	1.1350e-003
tblVehicleEF	LDA	1.5610e-003	1.8510e-003
tblVehicleEF	LDA	0.02	2.3840e-003
tblVehicleEF	LDA	1.0480e-003	1.0440e-003
tblVehicleEF	LDA	1.4360e-003	1.7020e-003
tblVehicleEF	LDA	0.10	0.37

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.07	0.00
tblVehicleEF	LDA	5.5160e-003	6.7360e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.13	0.21
tblVehicleEF	LDA	2.4400e-003	2.7220e-003
tblVehicleEF	LDA	4.5900e-004	6.1600e-004
tblVehicleEF	LDA	0.10	0.37
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.07	0.00
tblVehicleEF	LDA	8.0220e-003	9.8150e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.14	0.23
tblVehicleEF	LDA	1.3420e-003	1.7830e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.46	0.59
tblVehicleEF	LDA	1.82	2.40
tblVehicleEF	LDA	221.60	250.72
tblVehicleEF	LDA	46.84	63.05
tblVehicleEF	LDA	3.4590e-003	3.7410e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.14	0.20
tblVehicleEF	LDA	0.04	6.8120e-003
tblVehicleEF	LDA	1.1390e-003	1.1350e-003
tblVehicleEF	LDA	1.5610e-003	1.8510e-003
tblVehicleEF	LDA	0.02	2.3840e-003
tblVehicleEF	LDA	1.0480e-003	1.0440e-003
tblVehicleEF	LDA	1.4360e-003	1.7020e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDA	0.04	0.29
tblVehicleEF	LDA	0.08	0.08
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	4.7260e-003	6.3810e-003
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.15	0.24
tblVehicleEF	LDA	2.1920e-003	2.4780e-003
tblVehicleEF	LDA	4.6400e-004	6.2300e-004
tblVehicleEF	LDA	0.04	0.29
tblVehicleEF	LDA	0.08	0.08
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	6.8700e-003	9.2970e-003
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.16	0.27
tblVehicleEF	LDT1	3.9800e-003	7.5830e-003
tblVehicleEF	LDT1	0.05	0.11
tblVehicleEF	LDT1	0.94	1.67
tblVehicleEF	LDT1	1.97	5.32
tblVehicleEF	LDT1	273.46	328.61
tblVehicleEF	LDT1	57.18	85.64
tblVehicleEF	LDT1	6.1070e-003	0.01
tblVehicleEF	LDT1	0.02	0.04
tblVehicleEF	LDT1	0.07	0.15
tblVehicleEF	LDT1	0.20	0.41
tblVehicleEF	LDT1	0.04	8.4870e-003
tblVehicleEF	LDT1	1.5350e-003	1.9820e-003
tblVehicleEF	LDT1	2.0570e-003	3.0340e-003
tblVehicleEF	LDT1	0.02	2.9700e-003
tblVehicleEF	LDT1	1.4120e-003	1.8240e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT1	1.8920e-003	2.7890e-003
tblVehicleEF	LDT1	0.14	0.81
tblVehicleEF	LDT1	0.18	0.20
tblVehicleEF	LDT1	0.10	0.00
tblVehicleEF	LDT1	0.02	0.03
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.25	0.57
tblVehicleEF	LDT1	2.7060e-003	3.2490e-003
tblVehicleEF	LDT1	5.6600e-004	8.4700e-004
tblVehicleEF	LDT1	0.14	0.81
tblVehicleEF	LDT1	0.18	0.20
tblVehicleEF	LDT1	0.10	0.00
tblVehicleEF	LDT1	0.02	0.05
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.28	0.62
tblVehicleEF	LDT1	4.5000e-003	8.0280e-003
tblVehicleEF	LDT1	0.05	0.10
tblVehicleEF	LDT1	1.14	2.22
tblVehicleEF	LDT1	1.75	4.42
tblVehicleEF	LDT1	294.44	353.57
tblVehicleEF	LDT1	56.72	83.93
tblVehicleEF	LDT1	5.8110e-003	9.7840e-003
tblVehicleEF	LDT1	0.02	0.04
tblVehicleEF	LDT1	0.07	0.13
tblVehicleEF	LDT1	0.19	0.38
tblVehicleEF	LDT1	0.04	8.4870e-003
tblVehicleEF	LDT1	1.5350e-003	1.9820e-003
tblVehicleEF	LDT1	2.0570e-003	3.0340e-003
tblVehicleEF	LDT1	0.02	2.9700e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT1	1.4120e-003	1.8240e-003
tblVehicleEF	LDT1	1.8920e-003	2.7890e-003
tblVehicleEF	LDT1	0.28	1.04
tblVehicleEF	LDT1	0.21	0.22
tblVehicleEF	LDT1	0.19	0.00
tblVehicleEF	LDT1	0.02	0.03
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.22	0.48
tblVehicleEF	LDT1	2.9140e-003	3.4950e-003
tblVehicleEF	LDT1	5.6100e-004	8.3000e-004
tblVehicleEF	LDT1	0.28	1.04
tblVehicleEF	LDT1	0.21	0.22
tblVehicleEF	LDT1	0.19	0.00
tblVehicleEF	LDT1	0.03	0.05
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.24	0.53
tblVehicleEF	LDT1	3.8250e-003	7.5320e-003
tblVehicleEF	LDT1	0.05	0.11
tblVehicleEF	LDT1	0.87	1.58
tblVehicleEF	LDT1	2.02	5.28
tblVehicleEF	LDT1	267.05	324.40
tblVehicleEF	LDT1	57.28	85.58
tblVehicleEF	LDT1	5.9500e-003	0.01
tblVehicleEF	LDT1	0.02	0.04
tblVehicleEF	LDT1	0.07	0.15
tblVehicleEF	LDT1	0.20	0.40
tblVehicleEF	LDT1	0.04	8.4870e-003
tblVehicleEF	LDT1	1.5350e-003	1.9820e-003
tblVehicleEF	LDT1	2.0570e-003	3.0340e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT1	0.02	2.9700e-003
tblVehicleEF	LDT1	1.4120e-003	1.8240e-003
tblVehicleEF	LDT1	1.8920e-003	2.7890e-003
tblVehicleEF	LDT1	0.12	0.81
tblVehicleEF	LDT1	0.19	0.20
tblVehicleEF	LDT1	0.09	0.00
tblVehicleEF	LDT1	0.02	0.03
tblVehicleEF	LDT1	0.09	0.07
tblVehicleEF	LDT1	0.26	0.57
tblVehicleEF	LDT1	2.6430e-003	3.2070e-003
tblVehicleEF	LDT1	5.6700e-004	8.4600e-004
tblVehicleEF	LDT1	0.12	0.81
tblVehicleEF	LDT1	0.19	0.20
tblVehicleEF	LDT1	0.09	0.00
tblVehicleEF	LDT1	0.02	0.05
tblVehicleEF	LDT1	0.09	0.07
tblVehicleEF	LDT1	0.28	0.62
tblVehicleEF	LDT2	2.5050e-003	2.4680e-003
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.69	0.77
tblVehicleEF	LDT2	2.28	2.97
tblVehicleEF	LDT2	282.19	330.84
tblVehicleEF	LDT2	59.29	82.24
tblVehicleEF	LDT2	4.9570e-003	5.3210e-003
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.20	0.27
tblVehicleEF	LDT2	0.04	8.0340e-003
tblVehicleEF	LDT2	1.2190e-003	1.2010e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT2	1.6200e-003	1.9310e-003
tblVehicleEF	LDT2	0.02	2.8120e-003
tblVehicleEF	LDT2	1.1220e-003	1.1040e-003
tblVehicleEF	LDT2	1.4900e-003	1.7750e-003
tblVehicleEF	LDT2	0.09	0.30
tblVehicleEF	LDT2	0.11	0.07
tblVehicleEF	LDT2	0.08	0.00
tblVehicleEF	LDT2	9.6580e-003	9.2330e-003
tblVehicleEF	LDT2	0.05	0.02
tblVehicleEF	LDT2	0.22	0.31
tblVehicleEF	LDT2	2.7920e-003	3.2700e-003
tblVehicleEF	LDT2	5.8700e-004	8.1300e-004
tblVehicleEF	LDT2	0.09	0.30
tblVehicleEF	LDT2	0.11	0.07
tblVehicleEF	LDT2	0.08	0.00
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.05	0.02
tblVehicleEF	LDT2	0.24	0.34
tblVehicleEF	LDT2	2.8500e-003	2.6200e-003
tblVehicleEF	LDT2	0.04	0.06
tblVehicleEF	LDT2	0.85	1.02
tblVehicleEF	LDT2	2.03	2.48
tblVehicleEF	LDT2	301.79	353.19
tblVehicleEF	LDT2	58.79	81.33
tblVehicleEF	LDT2	4.7400e-003	4.7480e-003
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.19	0.26
tblVehicleEF	LDT2	0.04	8.0340e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT2	1.2190e-003	1.2010e-003
tblVehicleEF	LDT2	1.6200e-003	1.9310e-003
tblVehicleEF	LDT2	0.02	2.8120e-003
tblVehicleEF	LDT2	1.1220e-003	1.1040e-003
tblVehicleEF	LDT2	1.4900e-003	1.7750e-003
tblVehicleEF	LDT2	0.17	0.38
tblVehicleEF	LDT2	0.13	0.08
tblVehicleEF	LDT2	0.14	0.00
tblVehicleEF	LDT2	0.01	9.6820e-003
tblVehicleEF	LDT2	0.05	0.02
tblVehicleEF	LDT2	0.19	0.26
tblVehicleEF	LDT2	2.9860e-003	3.4910e-003
tblVehicleEF	LDT2	5.8200e-004	8.0400e-004
tblVehicleEF	LDT2	0.17	0.38
tblVehicleEF	LDT2	0.13	0.08
tblVehicleEF	LDT2	0.14	0.00
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.05	0.02
tblVehicleEF	LDT2	0.21	0.29
tblVehicleEF	LDT2	2.4030e-003	2.4520e-003
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.64	0.72
tblVehicleEF	LDT2	2.34	2.95
tblVehicleEF	LDT2	276.19	327.07
tblVehicleEF	LDT2	59.40	82.21
tblVehicleEF	LDT2	4.8280e-003	5.1750e-003
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.20	0.27

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tblVehicleEF	LDT2	0.04	8.0340e-003
tblVehicleEF	LDT2	1.2190e-003	1.2010e-003
tblVehicleEF	LDT2	1.6200e-003	1.9310e-003
tblVehicleEF	LDT2	0.02	2.8120e-003
tblVehicleEF	LDT2	1.1220e-003	1.1040e-003
tblVehicleEF	LDT2	1.4900e-003	1.7750e-003
tblVehicleEF	LDT2	0.07	0.31
tblVehicleEF	LDT2	0.11	0.07
tblVehicleEF	LDT2	0.06	0.00
tblVehicleEF	LDT2	9.2730e-003	9.1700e-003
tblVehicleEF	LDT2	0.05	0.02
tblVehicleEF	LDT2	0.22	0.31
tblVehicleEF	LDT2	2.7320e-003	3.2330e-003
tblVehicleEF	LDT2	5.8800e-004	8.1300e-004
tblVehicleEF	LDT2	0.07	0.31
tblVehicleEF	LDT2	0.11	0.07
tblVehicleEF	LDT2	0.06	0.00
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.05	0.02
tblVehicleEF	LDT2	0.24	0.34
tblVehicleEF	LHD1	4.2850e-003	4.5140e-003
tblVehicleEF	LHD1	3.2600e-003	1.9150e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.17	0.18
tblVehicleEF	LHD1	0.44	0.48
tblVehicleEF	LHD1	0.83	1.73
tblVehicleEF	LHD1	9.02	8.92
tblVehicleEF	LHD1	594.54	316.95
tblVehicleEF	LHD1	9.70	14.68

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tblVehicleEF	LHD1	8.6900e-004	8.0200e-004
tblVehicleEF	LHD1	0.04	4.1540e-003
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	0.93	0.07
tblVehicleEF	LHD1	0.25	0.35
tblVehicleEF	LHD1	1.0100e-003	9.0100e-004
tblVehicleEF	LHD1	0.08	0.04
tblVehicleEF	LHD1	0.01	4.4260e-003
tblVehicleEF	LHD1	8.1560e-003	6.0100e-004
tblVehicleEF	LHD1	1.9700e-004	1.6100e-004
tblVehicleEF	LHD1	9.6600e-004	8.6200e-004
tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	2.5110e-003	1.1060e-003
tblVehicleEF	LHD1	7.7850e-003	5.5300e-004
tblVehicleEF	LHD1	1.8100e-004	1.4800e-004
tblVehicleEF	LHD1	2.4640e-003	0.12
tblVehicleEF	LHD1	0.06	0.03
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.2690e-003	0.00
tblVehicleEF	LHD1	0.04	9.2130e-003
tblVehicleEF	LHD1	0.17	0.06
tblVehicleEF	LHD1	0.05	0.09
tblVehicleEF	LHD1	8.7000e-005	8.6000e-005
tblVehicleEF	LHD1	5.7810e-003	3.1330e-003
tblVehicleEF	LHD1	9.6000e-005	1.4500e-004
tblVehicleEF	LHD1	2.4640e-003	0.12
tblVehicleEF	LHD1	0.06	0.03
tblVehicleEF	LHD1	0.03	0.03

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD1	1.2690e-003	0.00
tblVehicleEF	LHD1	0.05	0.01
tblVehicleEF	LHD1	0.17	0.06
tblVehicleEF	LHD1	0.06	0.10
tblVehicleEF	LHD1	4.2960e-003	4.5310e-003
tblVehicleEF	LHD1	3.3020e-003	2.0830e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.17	0.18
tblVehicleEF	LHD1	0.44	0.14
tblVehicleEF	LHD1	0.80	1.64
tblVehicleEF	LHD1	9.02	8.92
tblVehicleEF	LHD1	594.54	216.88
tblVehicleEF	LHD1	9.63	14.53
tblVehicleEF	LHD1	8.7000e-004	8.0400e-004
tblVehicleEF	LHD1	0.04	0.03
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	0.88	0.67
tblVehicleEF	LHD1	0.24	0.34
tblVehicleEF	LHD1	1.0100e-003	9.0100e-004
tblVehicleEF	LHD1	0.08	0.04
tblVehicleEF	LHD1	0.01	5.4860e-003
tblVehicleEF	LHD1	8.1560e-003	0.01
tblVehicleEF	LHD1	1.9700e-004	1.6100e-004
tblVehicleEF	LHD1	9.6600e-004	8.6200e-004
tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	2.5110e-003	1.3720e-003
tblVehicleEF	LHD1	7.7850e-003	0.01
tblVehicleEF	LHD1	1.8100e-004	1.4800e-004

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD1	4.5870e-003	0.14
tblVehicleEF	LHD1	0.07	0.03
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.3790e-003	0.00
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.17	0.06
tblVehicleEF	LHD1	0.05	0.08
tblVehicleEF	LHD1	8.7000e-005	8.6000e-005
tblVehicleEF	LHD1	5.7810e-003	2.0550e-003
tblVehicleEF	LHD1	9.5000e-005	1.4400e-004
tblVehicleEF	LHD1	4.5870e-003	0.14
tblVehicleEF	LHD1	0.07	0.03
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.3790e-003	0.00
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.17	0.06
tblVehicleEF	LHD1	0.06	0.09
tblVehicleEF	LHD1	4.2840e-003	4.5170e-003
tblVehicleEF	LHD1	3.2550e-003	2.0830e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.17	0.18
tblVehicleEF	LHD1	0.44	0.14
tblVehicleEF	LHD1	0.84	1.72
tblVehicleEF	LHD1	9.02	8.92
tblVehicleEF	LHD1	594.53	216.88
tblVehicleEF	LHD1	9.71	14.66
tblVehicleEF	LHD1	8.6900e-004	8.0300e-004
tblVehicleEF	LHD1	0.04	0.03
tblVehicleEF	LHD1	0.02	0.03

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	0.92	0.70
tblVehicleEF	LHD1	0.25	0.35
tblVehicleEF	LHD1	1.0100e-003	9.0100e-004
tblVehicleEF	LHD1	0.08	0.04
tblVehicleEF	LHD1	0.01	5.4860e-003
tblVehicleEF	LHD1	8.1560e-003	0.01
tblVehicleEF	LHD1	1.9700e-004	1.6100e-004
tblVehicleEF	LHD1	9.6600e-004	8.6200e-004
tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	2.5110e-003	1.3720e-003
tblVehicleEF	LHD1	7.7850e-003	0.01
tblVehicleEF	LHD1	1.8100e-004	1.4800e-004
tblVehicleEF	LHD1	2.1280e-003	0.12
tblVehicleEF	LHD1	0.07	0.03
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.1510e-003	0.00
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.18	0.06
tblVehicleEF	LHD1	0.05	0.09
tblVehicleEF	LHD1	8.7000e-005	8.6000e-005
tblVehicleEF	LHD1	5.7810e-003	2.0550e-003
tblVehicleEF	LHD1	9.6000e-005	1.4500e-004
tblVehicleEF	LHD1	2.1280e-003	0.12
tblVehicleEF	LHD1	0.07	0.03
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.1510e-003	0.00
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.18	0.06

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD1	0.06	0.09
tblVehicleEF	LHD2	2.7640e-003	2.5080e-003
tblVehicleEF	LHD2	2.6030e-003	5.4400e-004
tblVehicleEF	LHD2	6.4920e-003	9.0070e-003
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.34	0.17
tblVehicleEF	LHD2	0.48	0.86
tblVehicleEF	LHD2	14.23	14.45
tblVehicleEF	LHD2	594.26	171.91
tblVehicleEF	LHD2	6.62	7.42
tblVehicleEF	LHD2	1.8460e-003	1.9070e-003
tblVehicleEF	LHD2	0.06	1.9320e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.10	0.11
tblVehicleEF	LHD2	1.05	0.03
tblVehicleEF	LHD2	0.16	0.18
tblVehicleEF	LHD2	1.4850e-003	1.5170e-003
tblVehicleEF	LHD2	0.09	0.02
tblVehicleEF	LHD2	0.01	2.1700e-003
tblVehicleEF	LHD2	0.01	2.5300e-004
tblVehicleEF	LHD2	9.9000e-005	6.2000e-005
tblVehicleEF	LHD2	1.4210e-003	1.4510e-003
tblVehicleEF	LHD2	0.04	8.4250e-003
tblVehicleEF	LHD2	2.7190e-003	5.4300e-004
tblVehicleEF	LHD2	0.01	2.3300e-004
tblVehicleEF	LHD2	9.1000e-005	5.7000e-005
tblVehicleEF	LHD2	1.3200e-003	0.06
tblVehicleEF	LHD2	0.03	0.01
tblVehicleEF	LHD2	0.01	0.01

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD2	7.1200e-004	0.00
tblVehicleEF	LHD2	0.04	2.3740e-003
tblVehicleEF	LHD2	0.08	0.02
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	1.3600e-004	1.3800e-004
tblVehicleEF	LHD2	5.7240e-003	1.7000e-003
tblVehicleEF	LHD2	6.6000e-005	7.3000e-005
tblVehicleEF	LHD2	1.3200e-003	0.06
tblVehicleEF	LHD2	0.03	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.1200e-004	0.00
tblVehicleEF	LHD2	0.05	3.4650e-003
tblVehicleEF	LHD2	0.08	0.02
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	2.7710e-003	2.5170e-003
tblVehicleEF	LHD2	2.6180e-003	3.0790e-003
tblVehicleEF	LHD2	6.2730e-003	8.6680e-003
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.34	0.18
tblVehicleEF	LHD2	0.45	0.82
tblVehicleEF	LHD2	14.23	14.45
tblVehicleEF	LHD2	594.26	422.91
tblVehicleEF	LHD2	6.58	7.34
tblVehicleEF	LHD2	1.8470e-003	1.9080e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.10	0.11
tblVehicleEF	LHD2	0.99	0.85
tblVehicleEF	LHD2	0.15	0.17

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD2	1.4850e-003	1.5170e-003
tblVehicleEF	LHD2	0.09	0.07
tblVehicleEF	LHD2	0.01	8.8530e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	9.9000e-005	6.2000e-005
tblVehicleEF	LHD2	1.4210e-003	1.4510e-003
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	2.7190e-003	2.2130e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	9.1000e-005	5.7000e-005
tblVehicleEF	LHD2	2.4810e-003	0.07
tblVehicleEF	LHD2	0.04	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	1.3230e-003	0.00
tblVehicleEF	LHD2	0.04	0.07
tblVehicleEF	LHD2	0.08	0.03
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	1.3600e-004	1.3800e-004
tblVehicleEF	LHD2	5.7240e-003	4.0070e-003
tblVehicleEF	LHD2	6.5000e-005	7.3000e-005
tblVehicleEF	LHD2	2.4810e-003	0.07
tblVehicleEF	LHD2	0.04	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.3230e-003	0.00
tblVehicleEF	LHD2	0.05	0.08
tblVehicleEF	LHD2	0.08	0.03
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	2.7630e-003	2.5090e-003
tblVehicleEF	LHD2	2.5990e-003	3.0790e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD2	6.5370e-003	8.9490e-003
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.34	0.18
tblVehicleEF	LHD2	0.48	0.86
tblVehicleEF	LHD2	14.23	14.45
tblVehicleEF	LHD2	594.26	422.91
tblVehicleEF	LHD2	6.63	7.41
tblVehicleEF	LHD2	1.8460e-003	1.9070e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.10	0.11
tblVehicleEF	LHD2	1.04	0.89
tblVehicleEF	LHD2	0.16	0.18
tblVehicleEF	LHD2	1.4850e-003	1.5170e-003
tblVehicleEF	LHD2	0.09	0.07
tblVehicleEF	LHD2	0.01	8.8530e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	9.9000e-005	6.2000e-005
tblVehicleEF	LHD2	1.4210e-003	1.4510e-003
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	2.7190e-003	2.2130e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	9.1000e-005	5.7000e-005
tblVehicleEF	LHD2	9.9900e-004	0.06
tblVehicleEF	LHD2	0.04	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	5.9700e-004	0.00
tblVehicleEF	LHD2	0.04	0.07
tblVehicleEF	LHD2	0.08	0.03

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	1.3600e-004	1.3800e-004
tblVehicleEF	LHD2	5.7240e-003	4.0070e-003
tblVehicleEF	LHD2	6.6000e-005	7.3000e-005
tblVehicleEF	LHD2	9.9900e-004	0.06
tblVehicleEF	LHD2	0.04	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	5.9700e-004	0.00
tblVehicleEF	LHD2	0.05	0.08
tblVehicleEF	LHD2	0.08	0.03
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	MCY	0.31	0.16
tblVehicleEF	MCY	0.24	0.17
tblVehicleEF	MCY	18.21	12.72
tblVehicleEF	MCY	8.64	7.70
tblVehicleEF	MCY	208.24	188.15
tblVehicleEF	MCY	59.22	46.82
tblVehicleEF	MCY	0.06	0.04
tblVehicleEF	MCY	0.01	7.5250e-003
tblVehicleEF	MCY	1.11	0.56
tblVehicleEF	MCY	0.26	0.13
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.9650e-003	1.8680e-003
tblVehicleEF	MCY	2.7270e-003	3.1930e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.8340e-003	1.7460e-003
tblVehicleEF	MCY	2.5560e-003	2.9950e-003
tblVehicleEF	MCY	1.68	2.49
tblVehicleEF	MCY	0.82	3.58

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MCY	0.90	0.00
tblVehicleEF	MCY	2.10	1.06
tblVehicleEF	MCY	0.46	1.33
tblVehicleEF	MCY	1.79	1.24
tblVehicleEF	MCY	2.0610e-003	1.8600e-003
tblVehicleEF	MCY	5.8600e-004	4.6300e-004
tblVehicleEF	MCY	1.68	2.49
tblVehicleEF	MCY	0.82	3.58
tblVehicleEF	MCY	0.90	0.00
tblVehicleEF	MCY	2.62	1.28
tblVehicleEF	MCY	0.46	1.33
tblVehicleEF	MCY	1.94	1.35
tblVehicleEF	MCY	0.31	0.16
tblVehicleEF	MCY	0.21	0.15
tblVehicleEF	MCY	18.86	12.86
tblVehicleEF	MCY	8.01	6.90
tblVehicleEF	MCY	209.23	188.36
tblVehicleEF	MCY	57.61	45.06
tblVehicleEF	MCY	0.06	0.04
tblVehicleEF	MCY	0.01	7.3800e-003
tblVehicleEF	MCY	0.97	0.49
tblVehicleEF	MCY	0.25	0.12
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.9650e-003	1.8680e-003
tblVehicleEF	MCY	2.7270e-003	3.1930e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.8340e-003	1.7460e-003
tblVehicleEF	MCY	2.5560e-003	2.9950e-003
tblVehicleEF	MCY	3.33	3.64

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MCY	1.23	3.76
tblVehicleEF	MCY	2.04	0.00
tblVehicleEF	MCY	2.09	1.05
tblVehicleEF	MCY	0.46	1.39
tblVehicleEF	MCY	1.60	1.09
tblVehicleEF	MCY	2.0710e-003	1.8620e-003
tblVehicleEF	MCY	5.7000e-004	4.4600e-004
tblVehicleEF	MCY	3.33	3.64
tblVehicleEF	MCY	1.23	3.76
tblVehicleEF	MCY	2.04	0.00
tblVehicleEF	MCY	2.60	1.27
tblVehicleEF	MCY	0.46	1.39
tblVehicleEF	MCY	1.74	1.19
tblVehicleEF	MCY	0.31	0.16
tblVehicleEF	MCY	0.24	0.17
tblVehicleEF	MCY	17.80	12.54
tblVehicleEF	MCY	8.61	7.53
tblVehicleEF	MCY	207.58	187.84
tblVehicleEF	MCY	59.21	46.47
tblVehicleEF	MCY	0.06	0.04
tblVehicleEF	MCY	0.02	7.5190e-003
tblVehicleEF	MCY	1.11	0.54
tblVehicleEF	MCY	0.26	0.12
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.9650e-003	1.8680e-003
tblVehicleEF	MCY	2.7270e-003	3.1930e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.8340e-003	1.7460e-003
tblVehicleEF	MCY	2.5560e-003	2.9950e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MCY	1.59	2.59
tblVehicleEF	MCY	1.00	3.60
tblVehicleEF	MCY	0.72	0.00
tblVehicleEF	MCY	2.10	1.05
tblVehicleEF	MCY	0.52	1.43
tblVehicleEF	MCY	1.79	1.21
tblVehicleEF	MCY	2.0540e-003	1.8570e-003
tblVehicleEF	MCY	5.8600e-004	4.5900e-004
tblVehicleEF	MCY	1.59	2.59
tblVehicleEF	MCY	1.00	3.60
tblVehicleEF	MCY	0.72	0.00
tblVehicleEF	MCY	2.61	1.27
tblVehicleEF	MCY	0.52	1.43
tblVehicleEF	MCY	1.95	1.32
tblVehicleEF	MDV	3.0610e-003	3.5140e-003
tblVehicleEF	MDV	0.06	0.09
tblVehicleEF	MDV	0.75	0.94
tblVehicleEF	MDV	2.53	3.36
tblVehicleEF	MDV	354.28	409.67
tblVehicleEF	MDV	73.99	101.49
tblVehicleEF	MDV	6.8880e-003	7.8940e-003
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.06	0.09
tblVehicleEF	MDV	0.25	0.37
tblVehicleEF	MDV	0.04	8.3400e-003
tblVehicleEF	MDV	1.2580e-003	1.3360e-003
tblVehicleEF	MDV	1.6330e-003	2.0170e-003
tblVehicleEF	MDV	0.02	2.9190e-003
tblVehicleEF	MDV	1.1600e-003	1.2330e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MDV	1.5010e-003	1.8550e-003
tblVehicleEF	MDV	0.12	0.43
tblVehicleEF	MDV	0.14	0.10
tblVehicleEF	MDV	0.10	0.00
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.06	0.03
tblVehicleEF	MDV	0.28	0.43
tblVehicleEF	MDV	3.5020e-003	4.0470e-003
tblVehicleEF	MDV	7.3200e-004	1.0030e-003
tblVehicleEF	MDV	0.12	0.43
tblVehicleEF	MDV	0.14	0.10
tblVehicleEF	MDV	0.10	0.00
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.03
tblVehicleEF	MDV	0.30	0.47
tblVehicleEF	MDV	3.4860e-003	3.7310e-003
tblVehicleEF	MDV	0.05	0.08
tblVehicleEF	MDV	0.92	1.25
tblVehicleEF	MDV	2.23	2.80
tblVehicleEF	MDV	374.80	432.81
tblVehicleEF	MDV	73.40	100.41
tblVehicleEF	MDV	6.6270e-003	7.1270e-003
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.24	0.34
tblVehicleEF	MDV	0.04	8.3400e-003
tblVehicleEF	MDV	1.2580e-003	1.3360e-003
tblVehicleEF	MDV	1.6330e-003	2.0170e-003
tblVehicleEF	MDV	0.02	2.9190e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MDV	1.1600e-003	1.2330e-003
tblVehicleEF	MDV	1.5010e-003	1.8550e-003
tblVehicleEF	MDV	0.22	0.52
tblVehicleEF	MDV	0.16	0.11
tblVehicleEF	MDV	0.18	0.00
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.06	0.03
tblVehicleEF	MDV	0.24	0.37
tblVehicleEF	MDV	3.7050e-003	4.2760e-003
tblVehicleEF	MDV	7.2600e-004	9.9300e-004
tblVehicleEF	MDV	0.22	0.52
tblVehicleEF	MDV	0.16	0.11
tblVehicleEF	MDV	0.18	0.00
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.03
tblVehicleEF	MDV	0.27	0.40
tblVehicleEF	MDV	2.9380e-003	3.4900e-003
tblVehicleEF	MDV	0.06	0.09
tblVehicleEF	MDV	0.70	0.88
tblVehicleEF	MDV	2.59	3.33
tblVehicleEF	MDV	348.03	405.76
tblVehicleEF	MDV	74.10	101.46
tblVehicleEF	MDV	6.7340e-003	7.6980e-003
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.25	0.37
tblVehicleEF	MDV	0.04	8.3400e-003
tblVehicleEF	MDV	1.2580e-003	1.3360e-003
tblVehicleEF	MDV	1.6330e-003	2.0170e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MDV	0.02	2.9190e-003
tblVehicleEF	MDV	1.1600e-003	1.2330e-003
tblVehicleEF	MDV	1.5010e-003	1.8550e-003
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.15	0.10
tblVehicleEF	MDV	0.09	0.00
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.07	0.03
tblVehicleEF	MDV	0.28	0.43
tblVehicleEF	MDV	3.4400e-003	4.0090e-003
tblVehicleEF	MDV	7.3300e-004	1.0030e-003
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.15	0.10
tblVehicleEF	MDV	0.09	0.00
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.07	0.03
tblVehicleEF	MDV	0.31	0.47
tblVehicleEF	MH	6.2700e-003	6.6450e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	0.69	0.72
tblVehicleEF	MH	1.72	2.05
tblVehicleEF	MH	1,362.78	1,515.66
tblVehicleEF	MH	16.59	21.02
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.39	1.46
tblVehicleEF	MH	0.23	0.30
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.0100e-004	2.3400e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.3180e-003	3.3130e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	1.8500e-004	2.1500e-004
tblVehicleEF	MH	0.92	32.51
tblVehicleEF	MH	0.05	7.39
tblVehicleEF	MH	0.35	0.00
tblVehicleEF	MH	0.04	0.05
tblVehicleEF	MH	0.01	2.0590e-003
tblVehicleEF	MH	0.08	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	1.6400e-004	2.0800e-004
tblVehicleEF	MH	0.92	32.51
tblVehicleEF	MH	0.05	7.39
tblVehicleEF	MH	0.35	0.00
tblVehicleEF	MH	0.05	0.06
tblVehicleEF	MH	0.01	2.0590e-003
tblVehicleEF	MH	0.09	0.11
tblVehicleEF	MH	6.3920e-003	6.7810e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.71	0.74
tblVehicleEF	MH	1.60	1.91
tblVehicleEF	MH	1,362.80	1,515.69
tblVehicleEF	MH	16.40	20.78
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.30	1.37

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MH	0.22	0.29
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.0100e-004	2.3400e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.3180e-003	3.3130e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	1.8500e-004	2.1500e-004
tblVehicleEF	MH	1.67	40.27
tblVehicleEF	MH	0.06	7.97
tblVehicleEF	MH	0.67	0.00
tblVehicleEF	MH	0.04	0.05
tblVehicleEF	MH	0.01	2.1260e-003
tblVehicleEF	MH	0.08	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	1.6200e-004	2.0500e-004
tblVehicleEF	MH	1.67	40.27
tblVehicleEF	MH	0.06	7.97
tblVehicleEF	MH	0.67	0.00
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.01	2.1260e-003
tblVehicleEF	MH	0.08	0.10
tblVehicleEF	MH	6.2570e-003	6.6560e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.69	0.72
tblVehicleEF	MH	1.73	2.05
tblVehicleEF	MH	1,362.78	1,515.66
tblVehicleEF	MH	16.61	21.01

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.38	1.44
tblVehicleEF	MH	0.23	0.30
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.0100e-004	2.3400e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.3180e-003	3.3130e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	1.8500e-004	2.1500e-004
tblVehicleEF	MH	0.87	32.67
tblVehicleEF	MH	0.06	7.39
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	0.04	0.05
tblVehicleEF	MH	0.01	2.1050e-003
tblVehicleEF	MH	0.08	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	1.6400e-004	2.0800e-004
tblVehicleEF	MH	0.87	32.67
tblVehicleEF	MH	0.06	7.39
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	0.05	0.06
tblVehicleEF	MH	0.01	2.1050e-003
tblVehicleEF	MH	0.09	0.11
tblVehicleEF	MHD	3.2690e-003	0.02
tblVehicleEF	MHD	9.7500e-004	6.8800e-003
tblVehicleEF	MHD	7.7720e-003	5.4780e-003

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MHD	0.35	0.66
tblVehicleEF	MHD	0.13	0.14
tblVehicleEF	MHD	0.84	0.62
tblVehicleEF	MHD	64.48	165.28
tblVehicleEF	MHD	900.30	1,088.35
tblVehicleEF	MHD	7.99	5.64
tblVehicleEF	MHD	9.3230e-003	0.03
tblVehicleEF	MHD	0.12	0.15
tblVehicleEF	MHD	6.4790e-003	3.9890e-003
tblVehicleEF	MHD	0.35	0.86
tblVehicleEF	MHD	0.88	0.67
tblVehicleEF	MHD	1.74	1.49
tblVehicleEF	MHD	2.6600e-004	1.1960e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	9.4320e-003	8.6070e-003
tblVehicleEF	MHD	9.2000e-005	6.1000e-005
tblVehicleEF	MHD	2.5400e-004	1.1440e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	9.0210e-003	8.2320e-003
tblVehicleEF	MHD	8.5000e-005	5.6000e-005
tblVehicleEF	MHD	5.5300e-004	0.02
tblVehicleEF	MHD	0.02	3.9230e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.9600e-004	0.00
tblVehicleEF	MHD	9.6690e-003	0.01
tblVehicleEF	MHD	0.01	9.6690e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.1200e-004	1.5180e-003
tblVehicleEF	MHD	8.5800e-003	0.01

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MHD	7.9000e-005	5.6000e-005
tblVehicleEF	MHD	5.5300e-004	0.02
tblVehicleEF	MHD	0.02	3.9230e-003
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	2.9600e-004	0.00
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.01	9.6690e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	3.1120e-003	0.02
tblVehicleEF	MHD	9.8800e-004	6.8950e-003
tblVehicleEF	MHD	7.5230e-003	5.2660e-003
tblVehicleEF	MHD	0.31	0.62
tblVehicleEF	MHD	0.13	0.14
tblVehicleEF	MHD	0.80	0.59
tblVehicleEF	MHD	64.28	163.79
tblVehicleEF	MHD	900.30	1,088.35
tblVehicleEF	MHD	7.92	5.58
tblVehicleEF	MHD	9.2600e-003	0.03
tblVehicleEF	MHD	0.12	0.15
tblVehicleEF	MHD	6.4040e-003	3.9140e-003
tblVehicleEF	MHD	0.34	0.83
tblVehicleEF	MHD	0.83	0.63
tblVehicleEF	MHD	1.74	1.48
tblVehicleEF	MHD	2.2700e-004	1.0200e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	9.4320e-003	8.6070e-003
tblVehicleEF	MHD	9.2000e-005	6.1000e-005
tblVehicleEF	MHD	2.1700e-004	9.7500e-004
tblVehicleEF	MHD	0.06	0.01

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MHD	9.0210e-003	8.2320e-003
tblVehicleEF	MHD	8.5000e-005	5.6000e-005
tblVehicleEF	MHD	1.0540e-003	0.02
tblVehicleEF	MHD	0.02	4.2250e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	5.5900e-004	0.00
tblVehicleEF	MHD	9.7230e-003	0.01
tblVehicleEF	MHD	0.02	9.9910e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.1000e-004	1.5040e-003
tblVehicleEF	MHD	8.5800e-003	0.01
tblVehicleEF	MHD	7.8000e-005	5.5000e-005
tblVehicleEF	MHD	1.0540e-003	0.02
tblVehicleEF	MHD	0.02	4.2250e-003
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	5.5900e-004	0.00
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.02	9.9910e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	3.4970e-003	0.02
tblVehicleEF	MHD	9.6400e-004	6.8810e-003
tblVehicleEF	MHD	7.8420e-003	5.4280e-003
tblVehicleEF	MHD	0.42	0.72
tblVehicleEF	MHD	0.13	0.14
tblVehicleEF	MHD	0.85	0.62
tblVehicleEF	MHD	64.75	167.33
tblVehicleEF	MHD	900.29	1,088.35
tblVehicleEF	MHD	8.01	5.63
tblVehicleEF	MHD	9.4140e-003	0.03

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MHD	0.12	0.15
tblVehicleEF	MHD	6.5240e-003	3.9650e-003
tblVehicleEF	MHD	0.37	0.90
tblVehicleEF	MHD	0.87	0.65
tblVehicleEF	MHD	1.74	1.48
tblVehicleEF	MHD	3.1900e-004	1.4400e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	9.4320e-003	8.6070e-003
tblVehicleEF	MHD	9.2000e-005	6.1000e-005
tblVehicleEF	MHD	3.0500e-004	1.3770e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	9.0210e-003	8.2320e-003
tblVehicleEF	MHD	8.5000e-005	5.6000e-005
tblVehicleEF	MHD	3.9400e-004	0.02
tblVehicleEF	MHD	0.02	3.9230e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.3300e-004	0.00
tblVehicleEF	MHD	9.6260e-003	0.01
tblVehicleEF	MHD	0.02	9.8710e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.1400e-004	1.5370e-003
tblVehicleEF	MHD	8.5800e-003	0.01
tblVehicleEF	MHD	7.9000e-005	5.6000e-005
tblVehicleEF	MHD	3.9400e-004	0.02
tblVehicleEF	MHD	0.02	3.9230e-003
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	2.3300e-004	0.00
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.02	9.8710e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	OBUS	8.4050e-003	0.02
tblVehicleEF	OBUS	3.3940e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.52	0.51
tblVehicleEF	OBUS	0.41	0.67
tblVehicleEF	OBUS	2.22	2.58
tblVehicleEF	OBUS	71.13	70.55
tblVehicleEF	OBUS	1,246.29	1,346.11
tblVehicleEF	OBUS	18.79	21.62
tblVehicleEF	OBUS	9.2540e-003	9.4290e-003
tblVehicleEF	OBUS	0.09	0.12
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.27	0.26
tblVehicleEF	OBUS	0.78	1.00
tblVehicleEF	OBUS	0.78	0.69
tblVehicleEF	OBUS	9.1000e-005	4.5000e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	8.2900e-003	0.02
tblVehicleEF	OBUS	2.0200e-004	1.8500e-004
tblVehicleEF	OBUS	8.7000e-005	4.3000e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	7.9170e-003	0.02
tblVehicleEF	OBUS	1.8600e-004	1.7000e-004
tblVehicleEF	OBUS	2.5200e-003	0.13
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	1.1050e-003	0.00
tblVehicleEF	OBUS	0.02	0.05

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	OBUS	0.08	0.05
tblVehicleEF	OBUS	0.11	0.13
tblVehicleEF	OBUS	6.7800e-004	6.2900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	1.8600e-004	2.1400e-004
tblVehicleEF	OBUS	2.5200e-003	0.13
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.06	0.08
tblVehicleEF	OBUS	1.1050e-003	0.00
tblVehicleEF	OBUS	0.03	0.09
tblVehicleEF	OBUS	0.08	0.05
tblVehicleEF	OBUS	0.12	0.14
tblVehicleEF	OBUS	8.4810e-003	0.02
tblVehicleEF	OBUS	3.4670e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.52	0.50
tblVehicleEF	OBUS	0.41	0.68
tblVehicleEF	OBUS	2.08	2.40
tblVehicleEF	OBUS	70.35	70.02
tblVehicleEF	OBUS	1,246.30	1,346.13
tblVehicleEF	OBUS	18.55	21.31
tblVehicleEF	OBUS	9.1360e-003	9.3490e-003
tblVehicleEF	OBUS	0.09	0.12
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.26	0.25
tblVehicleEF	OBUS	0.73	0.93
tblVehicleEF	OBUS	0.77	0.68
tblVehicleEF	OBUS	8.1000e-005	3.8600e-004
tblVehicleEF	OBUS	0.13	0.05

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	OBUS	8.2900e-003	0.02
tblVehicleEF	OBUS	2.0200e-004	1.8500e-004
tblVehicleEF	OBUS	7.7000e-005	3.6900e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	7.9170e-003	0.02
tblVehicleEF	OBUS	1.8600e-004	1.7000e-004
tblVehicleEF	OBUS	4.5960e-003	0.17
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	2.0760e-003	0.00
tblVehicleEF	OBUS	0.02	0.05
tblVehicleEF	OBUS	0.08	0.05
tblVehicleEF	OBUS	0.10	0.12
tblVehicleEF	OBUS	6.7100e-004	6.2400e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	1.8400e-004	2.1100e-004
tblVehicleEF	OBUS	4.5960e-003	0.17
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.06	0.08
tblVehicleEF	OBUS	2.0760e-003	0.00
tblVehicleEF	OBUS	0.03	0.09
tblVehicleEF	OBUS	0.08	0.05
tblVehicleEF	OBUS	0.11	0.13
tblVehicleEF	OBUS	8.3290e-003	0.02
tblVehicleEF	OBUS	3.3710e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.53	0.52
tblVehicleEF	OBUS	0.40	0.67
tblVehicleEF	OBUS	2.24	2.57

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	OBUS	72.21	71.30
tblVehicleEF	OBUS	1,246.29	1,346.11
tblVehicleEF	OBUS	18.83	21.60
tblVehicleEF	OBUS	9.4230e-003	9.5470e-003
tblVehicleEF	OBUS	0.09	0.12
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.29	0.27
tblVehicleEF	OBUS	0.78	0.98
tblVehicleEF	OBUS	0.78	0.68
tblVehicleEF	OBUS	1.0500e-004	5.3900e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	8.2900e-003	0.02
tblVehicleEF	OBUS	2.0200e-004	1.8500e-004
tblVehicleEF	OBUS	1.0000e-004	5.1500e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	7.9170e-003	0.02
tblVehicleEF	OBUS	1.8600e-004	1.7000e-004
tblVehicleEF	OBUS	2.2040e-003	0.14
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	1.0340e-003	0.00
tblVehicleEF	OBUS	0.02	0.05
tblVehicleEF	OBUS	0.08	0.05
tblVehicleEF	OBUS	0.11	0.13
tblVehicleEF	OBUS	6.8800e-004	6.3600e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	1.8600e-004	2.1400e-004
tblVehicleEF	OBUS	2.2040e-003	0.14
tblVehicleEF	OBUS	0.02	0.03

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	1.0340e-003	0.00
tblVehicleEF	OBUS	0.03	0.09
tblVehicleEF	OBUS	0.08	0.05
tblVehicleEF	OBUS	0.12	0.14
tblVehicleEF	SBUS	0.08	0.51
tblVehicleEF	SBUS	5.5200e-003	1.36
tblVehicleEF	SBUS	7.3930e-003	7.7090e-003
tblVehicleEF	SBUS	3.25	3.05
tblVehicleEF	SBUS	0.45	5.22
tblVehicleEF	SBUS	0.94	0.98
tblVehicleEF	SBUS	354.78	271.75
tblVehicleEF	SBUS	1,057.65	1,223.93
tblVehicleEF	SBUS	6.15	6.23
tblVehicleEF	SBUS	0.05	0.04
tblVehicleEF	SBUS	0.13	0.16
tblVehicleEF	SBUS	7.4230e-003	7.2280e-003
tblVehicleEF	SBUS	3.05	1.19
tblVehicleEF	SBUS	3.89	2.35
tblVehicleEF	SBUS	0.98	0.17
tblVehicleEF	SBUS	2.7150e-003	1.4160e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	2.5970e-003	1.3400e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.6480e-003	2.5540e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	4.6000e-005	4.7000e-005

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	SBUS	1.7830e-003	0.08
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.37	0.30
tblVehicleEF	SBUS	8.7100e-004	0.00
tblVehicleEF	SBUS	0.08	0.08
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.3900e-003	1.4080e-003
tblVehicleEF	SBUS	0.01	7.0020e-003
tblVehicleEF	SBUS	6.1000e-005	6.2000e-005
tblVehicleEF	SBUS	1.7830e-003	0.08
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.54	0.89
tblVehicleEF	SBUS	8.7100e-004	0.00
tblVehicleEF	SBUS	0.09	1.46
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	0.08	0.51
tblVehicleEF	SBUS	5.5830e-003	1.36
tblVehicleEF	SBUS	6.2000e-003	6.4280e-003
tblVehicleEF	SBUS	3.22	3.04
tblVehicleEF	SBUS	0.46	5.23
tblVehicleEF	SBUS	0.68	0.70
tblVehicleEF	SBUS	362.08	274.92
tblVehicleEF	SBUS	1,057.66	1,223.95
tblVehicleEF	SBUS	5.72	5.76
tblVehicleEF	SBUS	0.05	0.04
tblVehicleEF	SBUS	0.12	0.16
tblVehicleEF	SBUS	7.1800e-003	6.9590e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	SBUS	3.11	1.22
tblVehicleEF	SBUS	3.66	2.20
tblVehicleEF	SBUS	0.97	0.17
tblVehicleEF	SBUS	2.2970e-003	1.2590e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	2.1970e-003	1.1900e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.6480e-003	2.5540e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	4.6000e-005	4.7000e-005
tblVehicleEF	SBUS	3.2020e-003	0.10
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.37	0.30
tblVehicleEF	SBUS	1.5880e-003	0.00
tblVehicleEF	SBUS	0.08	0.08
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4590e-003	1.4380e-003
tblVehicleEF	SBUS	0.01	7.0020e-003
tblVehicleEF	SBUS	3.2020e-003	0.10
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.54	0.89
tblVehicleEF	SBUS	1.5880e-003	0.00
tblVehicleEF	SBUS	0.09	1.46
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	0.08	0.51

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	SBUS	5.5110e-003	1.36
tblVehicleEF	SBUS	7.6670e-003	7.8450e-003
tblVehicleEF	SBUS	3.29	3.07
tblVehicleEF	SBUS	0.45	5.22
tblVehicleEF	SBUS	0.99	1.00
tblVehicleEF	SBUS	344.70	267.36
tblVehicleEF	SBUS	1,057.65	1,223.93
tblVehicleEF	SBUS	6.23	6.27
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	0.13	0.16
tblVehicleEF	SBUS	7.5280e-003	7.2910e-003
tblVehicleEF	SBUS	2.97	1.15
tblVehicleEF	SBUS	3.86	2.31
tblVehicleEF	SBUS	0.98	0.17
tblVehicleEF	SBUS	3.2920e-003	1.6330e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	3.1500e-003	1.5470e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.6480e-003	2.5540e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	4.6000e-005	4.7000e-005
tblVehicleEF	SBUS	1.5040e-003	0.08
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.37	0.30
tblVehicleEF	SBUS	8.3300e-004	0.00
tblVehicleEF	SBUS	0.08	0.08
tblVehicleEF	SBUS	0.02	0.02

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	SBUS	0.04	0.05
tblVehicleEF	SBUS	3.2950e-003	1.3660e-003
tblVehicleEF	SBUS	0.01	7.0020e-003
tblVehicleEF	SBUS	1.5040e-003	0.08
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.54	0.89
tblVehicleEF	SBUS	8.3300e-004	0.00
tblVehicleEF	SBUS	0.09	1.46
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	UBUS	3.36	0.93
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	26.11	16.50
tblVehicleEF	UBUS	1.44	2.81
tblVehicleEF	UBUS	1,572.01	1,771.46
tblVehicleEF	UBUS	16.65	27.13
tblVehicleEF	UBUS	0.23	0.25
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.31	0.48
tblVehicleEF	UBUS	0.15	0.27
tblVehicleEF	UBUS	0.09	0.11
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	2.8020e-003	6.5900e-004
tblVehicleEF	UBUS	2.1900e-004	1.9200e-004
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	5.4780e-003	5.8730e-003
tblVehicleEF	UBUS	2.6610e-003	6.1000e-004
tblVehicleEF	UBUS	2.0200e-004	1.7600e-004
tblVehicleEF	UBUS	1.0760e-003	0.06

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	UBUS	7.9910e-003	0.02
tblVehicleEF	UBUS	6.3100e-004	0.00
tblVehicleEF	UBUS	0.05	0.02
tblVehicleEF	UBUS	8.6200e-004	1.2520e-003
tblVehicleEF	UBUS	0.07	0.14
tblVehicleEF	UBUS	4.4660e-003	5.5490e-003
tblVehicleEF	UBUS	1.6500e-004	2.6800e-004
tblVehicleEF	UBUS	1.0760e-003	0.06
tblVehicleEF	UBUS	7.9910e-003	0.02
tblVehicleEF	UBUS	6.3100e-004	0.00
tblVehicleEF	UBUS	3.43	0.95
tblVehicleEF	UBUS	8.6200e-004	1.2520e-003
tblVehicleEF	UBUS	0.07	0.15
tblVehicleEF	UBUS	3.36	0.93
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	26.11	16.50
tblVehicleEF	UBUS	1.22	2.39
tblVehicleEF	UBUS	1,572.01	1,771.46
tblVehicleEF	UBUS	16.28	26.42
tblVehicleEF	UBUS	0.23	0.25
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.30	0.47
tblVehicleEF	UBUS	0.15	0.25
tblVehicleEF	UBUS	0.09	0.11
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	2.8020e-003	6.5900e-004
tblVehicleEF	UBUS	2.1900e-004	1.9200e-004
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	5.4780e-003	5.8730e-003

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	UBUS	2.6610e-003	6.1000e-004
tblVehicleEF	UBUS	2.0200e-004	1.7600e-004
tblVehicleEF	UBUS	1.9350e-003	0.09
tblVehicleEF	UBUS	9.6880e-003	0.02
tblVehicleEF	UBUS	1.3100e-003	0.00
tblVehicleEF	UBUS	0.05	0.02
tblVehicleEF	UBUS	8.3800e-004	1.3110e-003
tblVehicleEF	UBUS	0.06	0.13
tblVehicleEF	UBUS	4.4660e-003	5.5490e-003
tblVehicleEF	UBUS	1.6100e-004	2.6100e-004
tblVehicleEF	UBUS	1.9350e-003	0.09
tblVehicleEF	UBUS	9.6880e-003	0.02
tblVehicleEF	UBUS	1.3100e-003	0.00
tblVehicleEF	UBUS	3.43	0.95
tblVehicleEF	UBUS	8.3800e-004	1.3110e-003
tblVehicleEF	UBUS	0.07	0.14
tblVehicleEF	UBUS	3.36	0.93
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	26.11	16.50
tblVehicleEF	UBUS	1.43	2.79
tblVehicleEF	UBUS	1,572.01	1,771.46
tblVehicleEF	UBUS	16.63	27.10
tblVehicleEF	UBUS	0.23	0.25
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.30	0.47
tblVehicleEF	UBUS	0.15	0.26
tblVehicleEF	UBUS	0.09	0.11
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	2.8020e-003	6.5900e-004

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	UBUS	2.1900e-004	1.9200e-004
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	5.4780e-003	5.8730e-003
tblVehicleEF	UBUS	2.6610e-003	6.1000e-004
tblVehicleEF	UBUS	2.0200e-004	1.7600e-004
tblVehicleEF	UBUS	1.1530e-003	0.07
tblVehicleEF	UBUS	9.2230e-003	0.02
tblVehicleEF	UBUS	6.7300e-004	0.00
tblVehicleEF	UBUS	0.05	0.02
tblVehicleEF	UBUS	9.9400e-004	1.2930e-003
tblVehicleEF	UBUS	0.07	0.14
tblVehicleEF	UBUS	4.4660e-003	5.5490e-003
tblVehicleEF	UBUS	1.6500e-004	2.6800e-004
tblVehicleEF	UBUS	1.1530e-003	0.07
tblVehicleEF	UBUS	9.2230e-003	0.02
tblVehicleEF	UBUS	6.7300e-004	0.00
tblVehicleEF	UBUS	3.43	0.95
tblVehicleEF	UBUS	9.9400e-004	1.2930e-003
tblVehicleEF	UBUS	0.07	0.15
tblVehicleTrips	ST_TR	4.91	4.54
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.21	10.87
tblVehicleTrips	ST_TR	8.19	7.99
tblVehicleTrips	ST_TR	42.04	36.50
tblVehicleTrips	SU_TR	4.09	4.54
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	0.70	10.87
tblVehicleTrips	SU_TR	5.95	7.99
tblVehicleTrips	SU_TR	20.43	36.50

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	WD_TR	5.44	4.54
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	9.74	10.87
tblVehicleTrips	WD_TR	8.36	7.99
tblVehicleTrips	WD_TR	44.32	36.50
tblWoodstoves	NumberCatalytic	81.35	0.00
tblWoodstoves	NumberNoncatalytic	81.35	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	57.7256	24.4867	144.0078	0.1535		2.5994	2.5994		2.5994	2.5994	0.0000	29,528.0028	29,528.0028	0.7936	0.5369	29,707.8412
Energy	1.3878	12.2388	7.8319	0.0757		0.9588	0.9588		0.9588	0.9588		15,139.1101	15,139.1101	0.2902	0.2776	15,229.0742
Mobile	35.4405	22.0522	343.8748	0.6552	65.4130	0.3759	65.7889	16.2457	0.3489	16.5946		66,346.4488	66,346.4488	3.0622	2.0943	67,047.0898
Total	94.5539	58.7777	495.7145	0.8844	65.4130	3.9341	69.3470	16.2457	3.9071	20.1528	0.0000	111,013.5617	111,013.5617	4.1459	2.9087	111,984.0052

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	55.0411	1.5460	134.2458	7.1000e-003		0.7446	0.7446		0.7446	0.7446	0.0000	242.0028	242.0028	0.2323	0.0000	247.8092
Energy	1.3878	12.2388	7.8319	0.0757		0.9588	0.9588		0.9588	0.9588		15,139.1101	15,139.1101	0.2902	0.2776	15,229.0742
Mobile	31.5887	15.1476	223.2657	0.3826	37.4748	0.2360	37.7108	9.3071	0.2189	9.5260		38,747.8085	38,747.8085	2.3845	1.5141	39,258.6154
Total	88.0175	28.9324	365.3434	0.4654	37.4748	1.9394	39.4142	9.3071	1.9223	11.2294	0.0000	54,128.9214	54,128.9214	2.9069	1.7916	54,735.4988

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	6.91	50.78	26.30	47.37	42.71	50.70	43.16	42.71	50.80	44.28	0.00	51.24	51.24	29.89	38.40	51.12

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	3/14/2022	3/14/2022	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 9.48

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45

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
Building Construction	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.1 Mitigation Measures Construction

3.2 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	0.0000	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

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	0.0000
Vendor	0.0000	0.0000	0.0000	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
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

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Construction - 2022

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	0.0000	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

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	0.0000
Vendor	0.0000	0.0000	0.0000	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
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

4.0 Operational Detail - Mobile

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.1 Mitigation Measures Mobile

Increase Density

Increase Diversity

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	31.5887	15.1476	223.2657	0.3826	37.4748	0.2360	37.7108	9.3071	0.2189	9.5260		38,747.80 85	38,747.80 85	2.3845	1.5141	39,258.61 54
Unmitigated	35.4405	22.0522	343.8748	0.6552	65.4130	0.3759	65.7889	16.2457	0.3489	16.5946		66,346.44 88	66,346.44 88	3.0622	2.0943	67,047.08 98

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	7,390.00	7,390.00	7390.00	25,252,753	14,467,193
City Park	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	652.00	652.00	652.00	2,100,393	1,203,306
Hotel	2,158.00	2,158.00	2158.00	5,149,357	2,950,044
Strip Mall	876.00	876.00	876.00	1,666,673	954,830
Total	11,076.00	11,076.00	11,076.00	34,169,176	19,575,373

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Land Use	Miles			Trip %			Trip Purpose %		
	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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.550222	0.063995	0.181756	0.141347	0.031986	0.000000	0.000000	0.000000	0.000000	0.000000	0.030695	0.000000	0.000000
City Park	0.550222	0.063995	0.181756	0.141347	0.031986	0.000000	0.000000	0.000000	0.000000	0.000000	0.030695	0.000000	0.000000
Enclosed Parking with Elevator	0.550222	0.063995	0.181756	0.141347	0.031986	0.000000	0.000000	0.000000	0.000000	0.000000	0.030695	0.000000	0.000000
General Office Building	0.550222	0.063995	0.181756	0.141347	0.031986	0.000000	0.000000	0.000000	0.000000	0.000000	0.030695	0.000000	0.000000
Hotel	0.550222	0.063995	0.181756	0.141347	0.031986	0.000000	0.000000	0.000000	0.000000	0.000000	0.030695	0.000000	0.000000
Strip Mall	0.550222	0.063995	0.181756	0.141347	0.031986	0.000000	0.000000	0.000000	0.000000	0.000000	0.030695	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.3878	12.2388	7.8319	0.0757		0.9588	0.9588		0.9588	0.9588		15,139.1101	15,139.1101	0.2902	0.2776	15,229.0742
NaturalGas Unmitigated	1.3878	12.2388	7.8319	0.0757		0.9588	0.9588		0.9588	0.9588		15,139.1101	15,139.1101	0.2902	0.2776	15,229.0742

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	64109	0.6914	5.9081	2.5141	0.0377		0.4777	0.4777		0.4777	0.4777		7,542.2371	7,542.2371	0.1446	0.1383	7,587.0568
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
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
General Office Building	563.836	6.0800e-003	0.0553	0.0464	3.3000e-004		4.2000e-003	4.2000e-003		4.2000e-003	4.2000e-003		66.3336	66.3336	1.2700e-003	1.2200e-003	66.7278
Hotel	63864.9	0.6887	6.2613	5.2595	0.0376		0.4759	0.4759		0.4759	0.4759		7,513.5208	7,513.5208	0.1440	0.1378	7,558.1699
Strip Mall	144.658	1.5600e-003	0.0142	0.0119	9.0000e-005		1.0800e-003	1.0800e-003		1.0800e-003	1.0800e-003		17.0185	17.0185	3.3000e-004	3.1000e-004	17.1197
Total		1.3878	12.2388	7.8319	0.0757		0.9588	0.9588		0.9588	0.9588		15,139.1101	15,139.1101	0.2902	0.2776	15,229.0742

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

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	64.109	0.6914	5.9081	2.5141	0.0377		0.4777	0.4777		0.4777	0.4777		7,542.2371	7,542.2371	0.1446	0.1383	7,587.0568
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
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
General Office Building	0.563836	6.0800e-003	0.0553	0.0464	3.3000e-004		4.2000e-003	4.2000e-003		4.2000e-003	4.2000e-003		66.3336	66.3336	1.2700e-003	1.2200e-003	66.7278
Hotel	63.8649	0.6887	6.2613	5.2595	0.0376		0.4759	0.4759		0.4759	0.4759		7,513.5208	7,513.5208	0.1440	0.1378	7,558.1699
Strip Mall	0.144658	1.5600e-003	0.0142	0.0119	9.0000e-005		1.0800e-003	1.0800e-003		1.0800e-003	1.0800e-003		17.0185	17.0185	3.3000e-004	3.1000e-004	17.1197
Total		1.3878	12.2388	7.8319	0.0757		0.9588	0.9588		0.9588	0.9588		15,139.1101	15,139.1101	0.2902	0.2776	15,229.0742

6.0 Area Detail

6.1 Mitigation Measures Area

No Hearths Installed

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	55.0411	1.5460	134.2458	7.1000e-003		0.7446	0.7446		0.7446	0.7446	0.0000	242.0028	242.0028	0.2323	0.0000	247.8092
Unmitigated	57.7256	24.4867	144.0078	0.1535		2.5994	2.5994		2.5994	2.5994	0.0000	29,528.0028	29,528.0028	0.7936	0.5369	29,707.8412

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	4.4429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	46.5586					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	2.6846	22.9407	9.7620	0.1464		1.8548	1.8548		1.8548	1.8548	0.0000	29,286.0000	29,286.0000	0.5613	0.5369	29,460.0321
Landscaping	4.0396	1.5460	134.2458	7.1000e-003		0.7446	0.7446		0.7446	0.7446		242.0028	242.0028	0.2323		247.8092
Total	57.7256	24.4867	144.0078	0.1535		2.5994	2.5994		2.5994	2.5994	0.0000	29,528.0028	29,528.0028	0.7936	0.5369	29,707.8412

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

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	4.4429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	46.5586					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	4.0396	1.5460	134.2458	7.1000e-003		0.7446	0.7446		0.7446	0.7446		242.0028	242.0028	0.2323		247.8092
Total	55.0411	1.5460	134.2458	7.1000e-003		0.7446	0.7446		0.7446	0.7446	0.0000	242.0028	242.0028	0.2323	0.0000	247.8092

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Moreno Valley Redevelopment Project - Operations

Riverside-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	60.00	1000sqft	1.38	60,000.00	0
Enclosed Parking with Elevator	1,053.00	Space	9.48	421,200.00	0
City Park	1.48	Acre	1.48	64,263.98	0
Hotel	270.00	Room	9.00	392,040.00	0
Apartments Mid Rise	1,627.00	Dwelling Unit	42.82	1,867,700.00	4653
Strip Mall	24.00	1000sqft	0.55	24,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2026
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - multi-family square feet based on site plan, other land uses conservatively use default settings which are higher, landscape area shown as park,

Construction Phase - Operations only Model, no construction

Off-road Equipment - operations only, no construction

Trips and VMT - Operations only Model, no construction

Vehicle Trips - residential trip rate 7,390/1,627 = 4.542102028272895, Hotel rate 2158/270 = 7.992592592592593, office rate 652/60 = 10.866666666666667, mall addition 876/24 =36.5,

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Vehicle Emission Factors - EMFAC 2021 - Riverside County (SC)2026

Vehicle Emission Factors - EMFAC 2021 - Riverside County (SC)2026

Vehicle Emission Factors - EMFAC 2021 - Riverside County (SC)2026

Woodstoves - no wood burning per SCAQMD Rule 445

Mobile Land Use Mitigation -

Area Mitigation -

Water Mitigation -

Fleet Mix - modified fleet mix based on traffic study

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	1,110.00	1.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberWood	81.35	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.54	0.55
tblFleetMix	LDA	0.54	0.55
tblFleetMix	LDA	0.54	0.55
tblFleetMix	LDA	0.54	0.55
tblFleetMix	LDA	0.54	0.55
tblFleetMix	LDA	0.54	0.55
tblFleetMix	LDA	0.54	0.55
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT1	0.06	0.06

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LHD1	0.02	0.03
tblFleetMix	LHD1	0.02	0.03
tblFleetMix	LHD1	0.02	0.03
tblFleetMix	LHD1	0.02	0.03
tblFleetMix	LHD1	0.02	0.03
tblFleetMix	LHD1	0.02	0.03
tblFleetMix	LHD2	6.9600e-003	0.00
tblFleetMix	LHD2	6.9600e-003	0.00
tblFleetMix	LHD2	6.9600e-003	0.00
tblFleetMix	LHD2	6.9600e-003	0.00
tblFleetMix	LHD2	6.9600e-003	0.00
tblFleetMix	LHD2	6.9600e-003	0.00
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MDV	0.13	0.14
tblFleetMix	MDV	0.13	0.14
tblFleetMix	MDV	0.13	0.14

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFleetMix	MDV	0.13	0.14
tblFleetMix	MDV	0.13	0.14
tblFleetMix	MDV	0.13	0.14
tblFleetMix	MH	4.6890e-003	0.00
tblFleetMix	MH	4.6890e-003	0.00
tblFleetMix	MH	4.6890e-003	0.00
tblFleetMix	MH	4.6890e-003	0.00
tblFleetMix	MH	4.6890e-003	0.00
tblFleetMix	MH	4.6890e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	6.0800e-004	0.00
tblFleetMix	OBUS	6.0800e-004	0.00
tblFleetMix	OBUS	6.0800e-004	0.00
tblFleetMix	OBUS	6.0800e-004	0.00
tblFleetMix	OBUS	6.0800e-004	0.00
tblFleetMix	OBUS	6.0800e-004	0.00
tblFleetMix	SBUS	1.0910e-003	0.00
tblFleetMix	SBUS	1.0910e-003	0.00
tblFleetMix	SBUS	1.0910e-003	0.00
tblFleetMix	SBUS	1.0910e-003	0.00
tblFleetMix	SBUS	1.0910e-003	0.00
tblFleetMix	SBUS	1.0910e-003	0.00
tblFleetMix	UBUS	2.9800e-004	0.00
tblFleetMix	UBUS	2.9800e-004	0.00

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFleetMix	UBUS	2.9800e-004	0.00
tblFleetMix	UBUS	2.9800e-004	0.00
tblFleetMix	UBUS	2.9800e-004	0.00
tblFleetMix	UBUS	2.9800e-004	0.00
tblLandUse	LandUseSquareFeet	64,468.80	64,263.98
tblLandUse	LandUseSquareFeet	1,627,000.00	1,867,700.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblTripsAndVMT	VendorTripNumber	332.00	0.00
tblTripsAndVMT	WorkerTripNumber	1,567.00	0.00
tblVehicleEF	HHD	0.03	0.11
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	8.34	5.04
tblVehicleEF	HHD	0.22	0.19
tblVehicleEF	HHD	2.2440e-003	2.0750e-003
tblVehicleEF	HHD	1,303.68	775.04
tblVehicleEF	HHD	1,185.67	1,500.37
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.21	0.12
tblVehicleEF	HHD	0.19	0.24
tblVehicleEF	HHD	1.0000e-006	4.0000e-006
tblVehicleEF	HHD	6.75	3.98
tblVehicleEF	HHD	1.88	1.45
tblVehicleEF	HHD	2.39	2.76
tblVehicleEF	HHD	2.6250e-003	1.8450e-003
tblVehicleEF	HHD	0.06	0.07

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	2.5110e-003	1.7600e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8900e-003	8.7810e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	1.0000e-006	1.2900e-004
tblVehicleEF	HHD	3.5000e-005	3.3000e-005
tblVehicleEF	HHD	0.56	0.33
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.3000e-005	3.4000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.01	7.0390e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	1.0000e-006	1.2900e-004
tblVehicleEF	HHD	3.5000e-005	3.3000e-005
tblVehicleEF	HHD	0.64	0.47
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	1.3000e-005	3.4000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.03	0.11
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	8.23	4.97
tblVehicleEF	HHD	0.23	0.19
tblVehicleEF	HHD	2.1300e-003	1.9580e-003
tblVehicleEF	HHD	1,286.98	765.93
tblVehicleEF	HHD	1,185.67	1,500.37

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.20	0.12
tblVehicleEF	HHD	0.19	0.24
tblVehicleEF	HHD	1.0000e-006	4.0000e-006
tblVehicleEF	HHD	6.42	3.79
tblVehicleEF	HHD	1.77	1.38
tblVehicleEF	HHD	2.39	2.76
tblVehicleEF	HHD	2.3220e-003	1.6370e-003
tblVehicleEF	HHD	0.06	0.07
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	2.2220e-003	1.5620e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8900e-003	8.7810e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	2.0000e-006	1.8300e-004
tblVehicleEF	HHD	3.9000e-005	3.6000e-005
tblVehicleEF	HHD	0.60	0.35
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.3000e-005	3.6000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.01	6.9530e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0000e-006	1.8300e-004
tblVehicleEF	HHD	3.9000e-005	3.6000e-005
tblVehicleEF	HHD	0.68	0.49
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.04	0.04

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	HHD	1.3000e-005	3.6000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.03	0.11
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	8.49	5.13
tblVehicleEF	HHD	0.22	0.19
tblVehicleEF	HHD	2.2470e-003	2.0530e-003
tblVehicleEF	HHD	1,326.74	787.61
tblVehicleEF	HHD	1,185.67	1,500.37
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.21	0.13
tblVehicleEF	HHD	0.19	0.24
tblVehicleEF	HHD	1.0000e-006	4.0000e-006
tblVehicleEF	HHD	7.20	4.24
tblVehicleEF	HHD	1.86	1.43
tblVehicleEF	HHD	2.39	2.76
tblVehicleEF	HHD	3.0430e-003	2.1320e-003
tblVehicleEF	HHD	0.06	0.07
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	2.9110e-003	2.0350e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8900e-003	8.7810e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	1.0000e-006	1.3100e-004
tblVehicleEF	HHD	3.8000e-005	3.3000e-005
tblVehicleEF	HHD	0.52	0.30
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.02	0.01

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	HHD	1.4000e-005	3.6000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.01	7.1580e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	1.0000e-006	1.3100e-004
tblVehicleEF	HHD	3.8000e-005	3.3000e-005
tblVehicleEF	HHD	0.59	0.44
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	1.4000e-005	3.6000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	LDA	1.3900e-003	1.7950e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.49	0.63
tblVehicleEF	LDA	1.78	2.42
tblVehicleEF	LDA	226.97	254.28
tblVehicleEF	LDA	46.78	63.08
tblVehicleEF	LDA	3.5640e-003	3.8500e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.14	0.20
tblVehicleEF	LDA	0.04	6.8120e-003
tblVehicleEF	LDA	1.1390e-003	1.1350e-003
tblVehicleEF	LDA	1.5610e-003	1.8510e-003
tblVehicleEF	LDA	0.02	2.3840e-003
tblVehicleEF	LDA	1.0480e-003	1.0440e-003
tblVehicleEF	LDA	1.4360e-003	1.7020e-003
tblVehicleEF	LDA	0.05	0.29
tblVehicleEF	LDA	0.08	0.08

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	4.8900e-003	6.4240e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.15	0.24
tblVehicleEF	LDA	2.2450e-003	2.5140e-003
tblVehicleEF	LDA	4.6300e-004	6.2400e-004
tblVehicleEF	LDA	0.05	0.29
tblVehicleEF	LDA	0.08	0.08
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	7.1090e-003	9.3600e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.16	0.27
tblVehicleEF	LDA	1.5850e-003	1.9070e-003
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.60	0.84
tblVehicleEF	LDA	1.58	2.03
tblVehicleEF	LDA	246.66	275.38
tblVehicleEF	LDA	46.39	62.35
tblVehicleEF	LDA	3.3980e-003	3.4260e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.13	0.19
tblVehicleEF	LDA	0.04	6.8120e-003
tblVehicleEF	LDA	1.1390e-003	1.1350e-003
tblVehicleEF	LDA	1.5610e-003	1.8510e-003
tblVehicleEF	LDA	0.02	2.3840e-003
tblVehicleEF	LDA	1.0480e-003	1.0440e-003
tblVehicleEF	LDA	1.4360e-003	1.7020e-003
tblVehicleEF	LDA	0.10	0.37

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.07	0.00
tblVehicleEF	LDA	5.5160e-003	6.7360e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.13	0.21
tblVehicleEF	LDA	2.4400e-003	2.7220e-003
tblVehicleEF	LDA	4.5900e-004	6.1600e-004
tblVehicleEF	LDA	0.10	0.37
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.07	0.00
tblVehicleEF	LDA	8.0220e-003	9.8150e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.14	0.23
tblVehicleEF	LDA	1.3420e-003	1.7830e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.46	0.59
tblVehicleEF	LDA	1.82	2.40
tblVehicleEF	LDA	221.60	250.72
tblVehicleEF	LDA	46.84	63.05
tblVehicleEF	LDA	3.4590e-003	3.7410e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.14	0.20
tblVehicleEF	LDA	0.04	6.8120e-003
tblVehicleEF	LDA	1.1390e-003	1.1350e-003
tblVehicleEF	LDA	1.5610e-003	1.8510e-003
tblVehicleEF	LDA	0.02	2.3840e-003
tblVehicleEF	LDA	1.0480e-003	1.0440e-003
tblVehicleEF	LDA	1.4360e-003	1.7020e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDA	0.04	0.29
tblVehicleEF	LDA	0.08	0.08
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	4.7260e-003	6.3810e-003
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.15	0.24
tblVehicleEF	LDA	2.1920e-003	2.4780e-003
tblVehicleEF	LDA	4.6400e-004	6.2300e-004
tblVehicleEF	LDA	0.04	0.29
tblVehicleEF	LDA	0.08	0.08
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	6.8700e-003	9.2970e-003
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.16	0.27
tblVehicleEF	LDT1	3.9800e-003	7.5830e-003
tblVehicleEF	LDT1	0.05	0.11
tblVehicleEF	LDT1	0.94	1.67
tblVehicleEF	LDT1	1.97	5.32
tblVehicleEF	LDT1	273.46	328.61
tblVehicleEF	LDT1	57.18	85.64
tblVehicleEF	LDT1	6.1070e-003	0.01
tblVehicleEF	LDT1	0.02	0.04
tblVehicleEF	LDT1	0.07	0.15
tblVehicleEF	LDT1	0.20	0.41
tblVehicleEF	LDT1	0.04	8.4870e-003
tblVehicleEF	LDT1	1.5350e-003	1.9820e-003
tblVehicleEF	LDT1	2.0570e-003	3.0340e-003
tblVehicleEF	LDT1	0.02	2.9700e-003
tblVehicleEF	LDT1	1.4120e-003	1.8240e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT1	1.8920e-003	2.7890e-003
tblVehicleEF	LDT1	0.14	0.81
tblVehicleEF	LDT1	0.18	0.20
tblVehicleEF	LDT1	0.10	0.00
tblVehicleEF	LDT1	0.02	0.03
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.25	0.57
tblVehicleEF	LDT1	2.7060e-003	3.2490e-003
tblVehicleEF	LDT1	5.6600e-004	8.4700e-004
tblVehicleEF	LDT1	0.14	0.81
tblVehicleEF	LDT1	0.18	0.20
tblVehicleEF	LDT1	0.10	0.00
tblVehicleEF	LDT1	0.02	0.05
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.28	0.62
tblVehicleEF	LDT1	4.5000e-003	8.0280e-003
tblVehicleEF	LDT1	0.05	0.10
tblVehicleEF	LDT1	1.14	2.22
tblVehicleEF	LDT1	1.75	4.42
tblVehicleEF	LDT1	294.44	353.57
tblVehicleEF	LDT1	56.72	83.93
tblVehicleEF	LDT1	5.8110e-003	9.7840e-003
tblVehicleEF	LDT1	0.02	0.04
tblVehicleEF	LDT1	0.07	0.13
tblVehicleEF	LDT1	0.19	0.38
tblVehicleEF	LDT1	0.04	8.4870e-003
tblVehicleEF	LDT1	1.5350e-003	1.9820e-003
tblVehicleEF	LDT1	2.0570e-003	3.0340e-003
tblVehicleEF	LDT1	0.02	2.9700e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT1	1.4120e-003	1.8240e-003
tblVehicleEF	LDT1	1.8920e-003	2.7890e-003
tblVehicleEF	LDT1	0.28	1.04
tblVehicleEF	LDT1	0.21	0.22
tblVehicleEF	LDT1	0.19	0.00
tblVehicleEF	LDT1	0.02	0.03
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.22	0.48
tblVehicleEF	LDT1	2.9140e-003	3.4950e-003
tblVehicleEF	LDT1	5.6100e-004	8.3000e-004
tblVehicleEF	LDT1	0.28	1.04
tblVehicleEF	LDT1	0.21	0.22
tblVehicleEF	LDT1	0.19	0.00
tblVehicleEF	LDT1	0.03	0.05
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.24	0.53
tblVehicleEF	LDT1	3.8250e-003	7.5320e-003
tblVehicleEF	LDT1	0.05	0.11
tblVehicleEF	LDT1	0.87	1.58
tblVehicleEF	LDT1	2.02	5.28
tblVehicleEF	LDT1	267.05	324.40
tblVehicleEF	LDT1	57.28	85.58
tblVehicleEF	LDT1	5.9500e-003	0.01
tblVehicleEF	LDT1	0.02	0.04
tblVehicleEF	LDT1	0.07	0.15
tblVehicleEF	LDT1	0.20	0.40
tblVehicleEF	LDT1	0.04	8.4870e-003
tblVehicleEF	LDT1	1.5350e-003	1.9820e-003
tblVehicleEF	LDT1	2.0570e-003	3.0340e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT1	0.02	2.9700e-003
tblVehicleEF	LDT1	1.4120e-003	1.8240e-003
tblVehicleEF	LDT1	1.8920e-003	2.7890e-003
tblVehicleEF	LDT1	0.12	0.81
tblVehicleEF	LDT1	0.19	0.20
tblVehicleEF	LDT1	0.09	0.00
tblVehicleEF	LDT1	0.02	0.03
tblVehicleEF	LDT1	0.09	0.07
tblVehicleEF	LDT1	0.26	0.57
tblVehicleEF	LDT1	2.6430e-003	3.2070e-003
tblVehicleEF	LDT1	5.6700e-004	8.4600e-004
tblVehicleEF	LDT1	0.12	0.81
tblVehicleEF	LDT1	0.19	0.20
tblVehicleEF	LDT1	0.09	0.00
tblVehicleEF	LDT1	0.02	0.05
tblVehicleEF	LDT1	0.09	0.07
tblVehicleEF	LDT1	0.28	0.62
tblVehicleEF	LDT2	2.5050e-003	2.4680e-003
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.69	0.77
tblVehicleEF	LDT2	2.28	2.97
tblVehicleEF	LDT2	282.19	330.84
tblVehicleEF	LDT2	59.29	82.24
tblVehicleEF	LDT2	4.9570e-003	5.3210e-003
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.20	0.27
tblVehicleEF	LDT2	0.04	8.0340e-003
tblVehicleEF	LDT2	1.2190e-003	1.2010e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT2	1.6200e-003	1.9310e-003
tblVehicleEF	LDT2	0.02	2.8120e-003
tblVehicleEF	LDT2	1.1220e-003	1.1040e-003
tblVehicleEF	LDT2	1.4900e-003	1.7750e-003
tblVehicleEF	LDT2	0.09	0.30
tblVehicleEF	LDT2	0.11	0.07
tblVehicleEF	LDT2	0.08	0.00
tblVehicleEF	LDT2	9.6580e-003	9.2330e-003
tblVehicleEF	LDT2	0.05	0.02
tblVehicleEF	LDT2	0.22	0.31
tblVehicleEF	LDT2	2.7920e-003	3.2700e-003
tblVehicleEF	LDT2	5.8700e-004	8.1300e-004
tblVehicleEF	LDT2	0.09	0.30
tblVehicleEF	LDT2	0.11	0.07
tblVehicleEF	LDT2	0.08	0.00
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.05	0.02
tblVehicleEF	LDT2	0.24	0.34
tblVehicleEF	LDT2	2.8500e-003	2.6200e-003
tblVehicleEF	LDT2	0.04	0.06
tblVehicleEF	LDT2	0.85	1.02
tblVehicleEF	LDT2	2.03	2.48
tblVehicleEF	LDT2	301.79	353.19
tblVehicleEF	LDT2	58.79	81.33
tblVehicleEF	LDT2	4.7400e-003	4.7480e-003
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.19	0.26
tblVehicleEF	LDT2	0.04	8.0340e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT2	1.2190e-003	1.2010e-003
tblVehicleEF	LDT2	1.6200e-003	1.9310e-003
tblVehicleEF	LDT2	0.02	2.8120e-003
tblVehicleEF	LDT2	1.1220e-003	1.1040e-003
tblVehicleEF	LDT2	1.4900e-003	1.7750e-003
tblVehicleEF	LDT2	0.17	0.38
tblVehicleEF	LDT2	0.13	0.08
tblVehicleEF	LDT2	0.14	0.00
tblVehicleEF	LDT2	0.01	9.6820e-003
tblVehicleEF	LDT2	0.05	0.02
tblVehicleEF	LDT2	0.19	0.26
tblVehicleEF	LDT2	2.9860e-003	3.4910e-003
tblVehicleEF	LDT2	5.8200e-004	8.0400e-004
tblVehicleEF	LDT2	0.17	0.38
tblVehicleEF	LDT2	0.13	0.08
tblVehicleEF	LDT2	0.14	0.00
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.05	0.02
tblVehicleEF	LDT2	0.21	0.29
tblVehicleEF	LDT2	2.4030e-003	2.4520e-003
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.64	0.72
tblVehicleEF	LDT2	2.34	2.95
tblVehicleEF	LDT2	276.19	327.07
tblVehicleEF	LDT2	59.40	82.21
tblVehicleEF	LDT2	4.8280e-003	5.1750e-003
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.20	0.27

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT2	0.04	8.0340e-003
tblVehicleEF	LDT2	1.2190e-003	1.2010e-003
tblVehicleEF	LDT2	1.6200e-003	1.9310e-003
tblVehicleEF	LDT2	0.02	2.8120e-003
tblVehicleEF	LDT2	1.1220e-003	1.1040e-003
tblVehicleEF	LDT2	1.4900e-003	1.7750e-003
tblVehicleEF	LDT2	0.07	0.31
tblVehicleEF	LDT2	0.11	0.07
tblVehicleEF	LDT2	0.06	0.00
tblVehicleEF	LDT2	9.2730e-003	9.1700e-003
tblVehicleEF	LDT2	0.05	0.02
tblVehicleEF	LDT2	0.22	0.31
tblVehicleEF	LDT2	2.7320e-003	3.2330e-003
tblVehicleEF	LDT2	5.8800e-004	8.1300e-004
tblVehicleEF	LDT2	0.07	0.31
tblVehicleEF	LDT2	0.11	0.07
tblVehicleEF	LDT2	0.06	0.00
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.05	0.02
tblVehicleEF	LDT2	0.24	0.34
tblVehicleEF	LHD1	4.2850e-003	4.5140e-003
tblVehicleEF	LHD1	3.2600e-003	1.9150e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.17	0.18
tblVehicleEF	LHD1	0.44	0.48
tblVehicleEF	LHD1	0.83	1.73
tblVehicleEF	LHD1	9.02	8.92
tblVehicleEF	LHD1	594.54	316.95
tblVehicleEF	LHD1	9.70	14.68

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD1	8.6900e-004	8.0200e-004
tblVehicleEF	LHD1	0.04	4.1540e-003
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	0.93	0.07
tblVehicleEF	LHD1	0.25	0.35
tblVehicleEF	LHD1	1.0100e-003	9.0100e-004
tblVehicleEF	LHD1	0.08	0.04
tblVehicleEF	LHD1	0.01	4.4260e-003
tblVehicleEF	LHD1	8.1560e-003	6.0100e-004
tblVehicleEF	LHD1	1.9700e-004	1.6100e-004
tblVehicleEF	LHD1	9.6600e-004	8.6200e-004
tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	2.5110e-003	1.1060e-003
tblVehicleEF	LHD1	7.7850e-003	5.5300e-004
tblVehicleEF	LHD1	1.8100e-004	1.4800e-004
tblVehicleEF	LHD1	2.4640e-003	0.12
tblVehicleEF	LHD1	0.06	0.03
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.2690e-003	0.00
tblVehicleEF	LHD1	0.04	9.2130e-003
tblVehicleEF	LHD1	0.17	0.06
tblVehicleEF	LHD1	0.05	0.09
tblVehicleEF	LHD1	8.7000e-005	8.6000e-005
tblVehicleEF	LHD1	5.7810e-003	3.1330e-003
tblVehicleEF	LHD1	9.6000e-005	1.4500e-004
tblVehicleEF	LHD1	2.4640e-003	0.12
tblVehicleEF	LHD1	0.06	0.03
tblVehicleEF	LHD1	0.03	0.03

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD1	1.2690e-003	0.00
tblVehicleEF	LHD1	0.05	0.01
tblVehicleEF	LHD1	0.17	0.06
tblVehicleEF	LHD1	0.06	0.10
tblVehicleEF	LHD1	4.2960e-003	4.5310e-003
tblVehicleEF	LHD1	3.3020e-003	2.0830e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.17	0.18
tblVehicleEF	LHD1	0.44	0.14
tblVehicleEF	LHD1	0.80	1.64
tblVehicleEF	LHD1	9.02	8.92
tblVehicleEF	LHD1	594.54	216.88
tblVehicleEF	LHD1	9.63	14.53
tblVehicleEF	LHD1	8.7000e-004	8.0400e-004
tblVehicleEF	LHD1	0.04	0.03
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	0.88	0.67
tblVehicleEF	LHD1	0.24	0.34
tblVehicleEF	LHD1	1.0100e-003	9.0100e-004
tblVehicleEF	LHD1	0.08	0.04
tblVehicleEF	LHD1	0.01	5.4860e-003
tblVehicleEF	LHD1	8.1560e-003	0.01
tblVehicleEF	LHD1	1.9700e-004	1.6100e-004
tblVehicleEF	LHD1	9.6600e-004	8.6200e-004
tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	2.5110e-003	1.3720e-003
tblVehicleEF	LHD1	7.7850e-003	0.01
tblVehicleEF	LHD1	1.8100e-004	1.4800e-004

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD1	4.5870e-003	0.14
tblVehicleEF	LHD1	0.07	0.03
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.3790e-003	0.00
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.17	0.06
tblVehicleEF	LHD1	0.05	0.08
tblVehicleEF	LHD1	8.7000e-005	8.6000e-005
tblVehicleEF	LHD1	5.7810e-003	2.0550e-003
tblVehicleEF	LHD1	9.5000e-005	1.4400e-004
tblVehicleEF	LHD1	4.5870e-003	0.14
tblVehicleEF	LHD1	0.07	0.03
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.3790e-003	0.00
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.17	0.06
tblVehicleEF	LHD1	0.06	0.09
tblVehicleEF	LHD1	4.2840e-003	4.5170e-003
tblVehicleEF	LHD1	3.2550e-003	2.0830e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.17	0.18
tblVehicleEF	LHD1	0.44	0.14
tblVehicleEF	LHD1	0.84	1.72
tblVehicleEF	LHD1	9.02	8.92
tblVehicleEF	LHD1	594.53	216.88
tblVehicleEF	LHD1	9.71	14.66
tblVehicleEF	LHD1	8.6900e-004	8.0300e-004
tblVehicleEF	LHD1	0.04	0.03
tblVehicleEF	LHD1	0.02	0.03

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	0.92	0.70
tblVehicleEF	LHD1	0.25	0.35
tblVehicleEF	LHD1	1.0100e-003	9.0100e-004
tblVehicleEF	LHD1	0.08	0.04
tblVehicleEF	LHD1	0.01	5.4860e-003
tblVehicleEF	LHD1	8.1560e-003	0.01
tblVehicleEF	LHD1	1.9700e-004	1.6100e-004
tblVehicleEF	LHD1	9.6600e-004	8.6200e-004
tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	2.5110e-003	1.3720e-003
tblVehicleEF	LHD1	7.7850e-003	0.01
tblVehicleEF	LHD1	1.8100e-004	1.4800e-004
tblVehicleEF	LHD1	2.1280e-003	0.12
tblVehicleEF	LHD1	0.07	0.03
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.1510e-003	0.00
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.18	0.06
tblVehicleEF	LHD1	0.05	0.09
tblVehicleEF	LHD1	8.7000e-005	8.6000e-005
tblVehicleEF	LHD1	5.7810e-003	2.0550e-003
tblVehicleEF	LHD1	9.6000e-005	1.4500e-004
tblVehicleEF	LHD1	2.1280e-003	0.12
tblVehicleEF	LHD1	0.07	0.03
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.1510e-003	0.00
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.18	0.06

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD1	0.06	0.09
tblVehicleEF	LHD2	2.7640e-003	2.5080e-003
tblVehicleEF	LHD2	2.6030e-003	5.4400e-004
tblVehicleEF	LHD2	6.4920e-003	9.0070e-003
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.34	0.17
tblVehicleEF	LHD2	0.48	0.86
tblVehicleEF	LHD2	14.23	14.45
tblVehicleEF	LHD2	594.26	171.91
tblVehicleEF	LHD2	6.62	7.42
tblVehicleEF	LHD2	1.8460e-003	1.9070e-003
tblVehicleEF	LHD2	0.06	1.9320e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.10	0.11
tblVehicleEF	LHD2	1.05	0.03
tblVehicleEF	LHD2	0.16	0.18
tblVehicleEF	LHD2	1.4850e-003	1.5170e-003
tblVehicleEF	LHD2	0.09	0.02
tblVehicleEF	LHD2	0.01	2.1700e-003
tblVehicleEF	LHD2	0.01	2.5300e-004
tblVehicleEF	LHD2	9.9000e-005	6.2000e-005
tblVehicleEF	LHD2	1.4210e-003	1.4510e-003
tblVehicleEF	LHD2	0.04	8.4250e-003
tblVehicleEF	LHD2	2.7190e-003	5.4300e-004
tblVehicleEF	LHD2	0.01	2.3300e-004
tblVehicleEF	LHD2	9.1000e-005	5.7000e-005
tblVehicleEF	LHD2	1.3200e-003	0.06
tblVehicleEF	LHD2	0.03	0.01
tblVehicleEF	LHD2	0.01	0.01

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD2	7.1200e-004	0.00
tblVehicleEF	LHD2	0.04	2.3740e-003
tblVehicleEF	LHD2	0.08	0.02
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	1.3600e-004	1.3800e-004
tblVehicleEF	LHD2	5.7240e-003	1.7000e-003
tblVehicleEF	LHD2	6.6000e-005	7.3000e-005
tblVehicleEF	LHD2	1.3200e-003	0.06
tblVehicleEF	LHD2	0.03	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.1200e-004	0.00
tblVehicleEF	LHD2	0.05	3.4650e-003
tblVehicleEF	LHD2	0.08	0.02
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	2.7710e-003	2.5170e-003
tblVehicleEF	LHD2	2.6180e-003	3.0790e-003
tblVehicleEF	LHD2	6.2730e-003	8.6680e-003
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.34	0.18
tblVehicleEF	LHD2	0.45	0.82
tblVehicleEF	LHD2	14.23	14.45
tblVehicleEF	LHD2	594.26	422.91
tblVehicleEF	LHD2	6.58	7.34
tblVehicleEF	LHD2	1.8470e-003	1.9080e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.10	0.11
tblVehicleEF	LHD2	0.99	0.85
tblVehicleEF	LHD2	0.15	0.17

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD2	1.4850e-003	1.5170e-003
tblVehicleEF	LHD2	0.09	0.07
tblVehicleEF	LHD2	0.01	8.8530e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	9.9000e-005	6.2000e-005
tblVehicleEF	LHD2	1.4210e-003	1.4510e-003
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	2.7190e-003	2.2130e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	9.1000e-005	5.7000e-005
tblVehicleEF	LHD2	2.4810e-003	0.07
tblVehicleEF	LHD2	0.04	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	1.3230e-003	0.00
tblVehicleEF	LHD2	0.04	0.07
tblVehicleEF	LHD2	0.08	0.03
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	1.3600e-004	1.3800e-004
tblVehicleEF	LHD2	5.7240e-003	4.0070e-003
tblVehicleEF	LHD2	6.5000e-005	7.3000e-005
tblVehicleEF	LHD2	2.4810e-003	0.07
tblVehicleEF	LHD2	0.04	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.3230e-003	0.00
tblVehicleEF	LHD2	0.05	0.08
tblVehicleEF	LHD2	0.08	0.03
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	2.7630e-003	2.5090e-003
tblVehicleEF	LHD2	2.5990e-003	3.0790e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD2	6.5370e-003	8.9490e-003
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.34	0.18
tblVehicleEF	LHD2	0.48	0.86
tblVehicleEF	LHD2	14.23	14.45
tblVehicleEF	LHD2	594.26	422.91
tblVehicleEF	LHD2	6.63	7.41
tblVehicleEF	LHD2	1.8460e-003	1.9070e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.10	0.11
tblVehicleEF	LHD2	1.04	0.89
tblVehicleEF	LHD2	0.16	0.18
tblVehicleEF	LHD2	1.4850e-003	1.5170e-003
tblVehicleEF	LHD2	0.09	0.07
tblVehicleEF	LHD2	0.01	8.8530e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	9.9000e-005	6.2000e-005
tblVehicleEF	LHD2	1.4210e-003	1.4510e-003
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	2.7190e-003	2.2130e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	9.1000e-005	5.7000e-005
tblVehicleEF	LHD2	9.9900e-004	0.06
tblVehicleEF	LHD2	0.04	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	5.9700e-004	0.00
tblVehicleEF	LHD2	0.04	0.07
tblVehicleEF	LHD2	0.08	0.03

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	1.3600e-004	1.3800e-004
tblVehicleEF	LHD2	5.7240e-003	4.0070e-003
tblVehicleEF	LHD2	6.6000e-005	7.3000e-005
tblVehicleEF	LHD2	9.9900e-004	0.06
tblVehicleEF	LHD2	0.04	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	5.9700e-004	0.00
tblVehicleEF	LHD2	0.05	0.08
tblVehicleEF	LHD2	0.08	0.03
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	MCY	0.31	0.16
tblVehicleEF	MCY	0.24	0.17
tblVehicleEF	MCY	18.21	12.72
tblVehicleEF	MCY	8.64	7.70
tblVehicleEF	MCY	208.24	188.15
tblVehicleEF	MCY	59.22	46.82
tblVehicleEF	MCY	0.06	0.04
tblVehicleEF	MCY	0.01	7.5250e-003
tblVehicleEF	MCY	1.11	0.56
tblVehicleEF	MCY	0.26	0.13
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.9650e-003	1.8680e-003
tblVehicleEF	MCY	2.7270e-003	3.1930e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.8340e-003	1.7460e-003
tblVehicleEF	MCY	2.5560e-003	2.9950e-003
tblVehicleEF	MCY	1.68	2.49
tblVehicleEF	MCY	0.82	3.58

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MCY	0.90	0.00
tblVehicleEF	MCY	2.10	1.06
tblVehicleEF	MCY	0.46	1.33
tblVehicleEF	MCY	1.79	1.24
tblVehicleEF	MCY	2.0610e-003	1.8600e-003
tblVehicleEF	MCY	5.8600e-004	4.6300e-004
tblVehicleEF	MCY	1.68	2.49
tblVehicleEF	MCY	0.82	3.58
tblVehicleEF	MCY	0.90	0.00
tblVehicleEF	MCY	2.62	1.28
tblVehicleEF	MCY	0.46	1.33
tblVehicleEF	MCY	1.94	1.35
tblVehicleEF	MCY	0.31	0.16
tblVehicleEF	MCY	0.21	0.15
tblVehicleEF	MCY	18.86	12.86
tblVehicleEF	MCY	8.01	6.90
tblVehicleEF	MCY	209.23	188.36
tblVehicleEF	MCY	57.61	45.06
tblVehicleEF	MCY	0.06	0.04
tblVehicleEF	MCY	0.01	7.3800e-003
tblVehicleEF	MCY	0.97	0.49
tblVehicleEF	MCY	0.25	0.12
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.9650e-003	1.8680e-003
tblVehicleEF	MCY	2.7270e-003	3.1930e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.8340e-003	1.7460e-003
tblVehicleEF	MCY	2.5560e-003	2.9950e-003
tblVehicleEF	MCY	3.33	3.64

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MCY	1.23	3.76
tblVehicleEF	MCY	2.04	0.00
tblVehicleEF	MCY	2.09	1.05
tblVehicleEF	MCY	0.46	1.39
tblVehicleEF	MCY	1.60	1.09
tblVehicleEF	MCY	2.0710e-003	1.8620e-003
tblVehicleEF	MCY	5.7000e-004	4.4600e-004
tblVehicleEF	MCY	3.33	3.64
tblVehicleEF	MCY	1.23	3.76
tblVehicleEF	MCY	2.04	0.00
tblVehicleEF	MCY	2.60	1.27
tblVehicleEF	MCY	0.46	1.39
tblVehicleEF	MCY	1.74	1.19
tblVehicleEF	MCY	0.31	0.16
tblVehicleEF	MCY	0.24	0.17
tblVehicleEF	MCY	17.80	12.54
tblVehicleEF	MCY	8.61	7.53
tblVehicleEF	MCY	207.58	187.84
tblVehicleEF	MCY	59.21	46.47
tblVehicleEF	MCY	0.06	0.04
tblVehicleEF	MCY	0.02	7.5190e-003
tblVehicleEF	MCY	1.11	0.54
tblVehicleEF	MCY	0.26	0.12
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.9650e-003	1.8680e-003
tblVehicleEF	MCY	2.7270e-003	3.1930e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.8340e-003	1.7460e-003
tblVehicleEF	MCY	2.5560e-003	2.9950e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MCY	1.59	2.59
tblVehicleEF	MCY	1.00	3.60
tblVehicleEF	MCY	0.72	0.00
tblVehicleEF	MCY	2.10	1.05
tblVehicleEF	MCY	0.52	1.43
tblVehicleEF	MCY	1.79	1.21
tblVehicleEF	MCY	2.0540e-003	1.8570e-003
tblVehicleEF	MCY	5.8600e-004	4.5900e-004
tblVehicleEF	MCY	1.59	2.59
tblVehicleEF	MCY	1.00	3.60
tblVehicleEF	MCY	0.72	0.00
tblVehicleEF	MCY	2.61	1.27
tblVehicleEF	MCY	0.52	1.43
tblVehicleEF	MCY	1.95	1.32
tblVehicleEF	MDV	3.0610e-003	3.5140e-003
tblVehicleEF	MDV	0.06	0.09
tblVehicleEF	MDV	0.75	0.94
tblVehicleEF	MDV	2.53	3.36
tblVehicleEF	MDV	354.28	409.67
tblVehicleEF	MDV	73.99	101.49
tblVehicleEF	MDV	6.8880e-003	7.8940e-003
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.06	0.09
tblVehicleEF	MDV	0.25	0.37
tblVehicleEF	MDV	0.04	8.3400e-003
tblVehicleEF	MDV	1.2580e-003	1.3360e-003
tblVehicleEF	MDV	1.6330e-003	2.0170e-003
tblVehicleEF	MDV	0.02	2.9190e-003
tblVehicleEF	MDV	1.1600e-003	1.2330e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MDV	1.5010e-003	1.8550e-003
tblVehicleEF	MDV	0.12	0.43
tblVehicleEF	MDV	0.14	0.10
tblVehicleEF	MDV	0.10	0.00
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.06	0.03
tblVehicleEF	MDV	0.28	0.43
tblVehicleEF	MDV	3.5020e-003	4.0470e-003
tblVehicleEF	MDV	7.3200e-004	1.0030e-003
tblVehicleEF	MDV	0.12	0.43
tblVehicleEF	MDV	0.14	0.10
tblVehicleEF	MDV	0.10	0.00
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.03
tblVehicleEF	MDV	0.30	0.47
tblVehicleEF	MDV	3.4860e-003	3.7310e-003
tblVehicleEF	MDV	0.05	0.08
tblVehicleEF	MDV	0.92	1.25
tblVehicleEF	MDV	2.23	2.80
tblVehicleEF	MDV	374.80	432.81
tblVehicleEF	MDV	73.40	100.41
tblVehicleEF	MDV	6.6270e-003	7.1270e-003
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.24	0.34
tblVehicleEF	MDV	0.04	8.3400e-003
tblVehicleEF	MDV	1.2580e-003	1.3360e-003
tblVehicleEF	MDV	1.6330e-003	2.0170e-003
tblVehicleEF	MDV	0.02	2.9190e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MDV	1.1600e-003	1.2330e-003
tblVehicleEF	MDV	1.5010e-003	1.8550e-003
tblVehicleEF	MDV	0.22	0.52
tblVehicleEF	MDV	0.16	0.11
tblVehicleEF	MDV	0.18	0.00
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.06	0.03
tblVehicleEF	MDV	0.24	0.37
tblVehicleEF	MDV	3.7050e-003	4.2760e-003
tblVehicleEF	MDV	7.2600e-004	9.9300e-004
tblVehicleEF	MDV	0.22	0.52
tblVehicleEF	MDV	0.16	0.11
tblVehicleEF	MDV	0.18	0.00
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.03
tblVehicleEF	MDV	0.27	0.40
tblVehicleEF	MDV	2.9380e-003	3.4900e-003
tblVehicleEF	MDV	0.06	0.09
tblVehicleEF	MDV	0.70	0.88
tblVehicleEF	MDV	2.59	3.33
tblVehicleEF	MDV	348.03	405.76
tblVehicleEF	MDV	74.10	101.46
tblVehicleEF	MDV	6.7340e-003	7.6980e-003
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.25	0.37
tblVehicleEF	MDV	0.04	8.3400e-003
tblVehicleEF	MDV	1.2580e-003	1.3360e-003
tblVehicleEF	MDV	1.6330e-003	2.0170e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MDV	0.02	2.9190e-003
tblVehicleEF	MDV	1.1600e-003	1.2330e-003
tblVehicleEF	MDV	1.5010e-003	1.8550e-003
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.15	0.10
tblVehicleEF	MDV	0.09	0.00
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.07	0.03
tblVehicleEF	MDV	0.28	0.43
tblVehicleEF	MDV	3.4400e-003	4.0090e-003
tblVehicleEF	MDV	7.3300e-004	1.0030e-003
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.15	0.10
tblVehicleEF	MDV	0.09	0.00
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.07	0.03
tblVehicleEF	MDV	0.31	0.47
tblVehicleEF	MH	6.2700e-003	6.6450e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	0.69	0.72
tblVehicleEF	MH	1.72	2.05
tblVehicleEF	MH	1,362.78	1,515.66
tblVehicleEF	MH	16.59	21.02
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.39	1.46
tblVehicleEF	MH	0.23	0.30
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.0100e-004	2.3400e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.3180e-003	3.3130e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	1.8500e-004	2.1500e-004
tblVehicleEF	MH	0.92	32.51
tblVehicleEF	MH	0.05	7.39
tblVehicleEF	MH	0.35	0.00
tblVehicleEF	MH	0.04	0.05
tblVehicleEF	MH	0.01	2.0590e-003
tblVehicleEF	MH	0.08	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	1.6400e-004	2.0800e-004
tblVehicleEF	MH	0.92	32.51
tblVehicleEF	MH	0.05	7.39
tblVehicleEF	MH	0.35	0.00
tblVehicleEF	MH	0.05	0.06
tblVehicleEF	MH	0.01	2.0590e-003
tblVehicleEF	MH	0.09	0.11
tblVehicleEF	MH	6.3920e-003	6.7810e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.71	0.74
tblVehicleEF	MH	1.60	1.91
tblVehicleEF	MH	1,362.80	1,515.69
tblVehicleEF	MH	16.40	20.78
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.30	1.37

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MH	0.22	0.29
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.0100e-004	2.3400e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.3180e-003	3.3130e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	1.8500e-004	2.1500e-004
tblVehicleEF	MH	1.67	40.27
tblVehicleEF	MH	0.06	7.97
tblVehicleEF	MH	0.67	0.00
tblVehicleEF	MH	0.04	0.05
tblVehicleEF	MH	0.01	2.1260e-003
tblVehicleEF	MH	0.08	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	1.6200e-004	2.0500e-004
tblVehicleEF	MH	1.67	40.27
tblVehicleEF	MH	0.06	7.97
tblVehicleEF	MH	0.67	0.00
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.01	2.1260e-003
tblVehicleEF	MH	0.08	0.10
tblVehicleEF	MH	6.2570e-003	6.6560e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.69	0.72
tblVehicleEF	MH	1.73	2.05
tblVehicleEF	MH	1,362.78	1,515.66
tblVehicleEF	MH	16.61	21.01

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.38	1.44
tblVehicleEF	MH	0.23	0.30
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.0100e-004	2.3400e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.3180e-003	3.3130e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	1.8500e-004	2.1500e-004
tblVehicleEF	MH	0.87	32.67
tblVehicleEF	MH	0.06	7.39
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	0.04	0.05
tblVehicleEF	MH	0.01	2.1050e-003
tblVehicleEF	MH	0.08	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	1.6400e-004	2.0800e-004
tblVehicleEF	MH	0.87	32.67
tblVehicleEF	MH	0.06	7.39
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	0.05	0.06
tblVehicleEF	MH	0.01	2.1050e-003
tblVehicleEF	MH	0.09	0.11
tblVehicleEF	MHD	3.2690e-003	0.02
tblVehicleEF	MHD	9.7500e-004	6.8800e-003
tblVehicleEF	MHD	7.7720e-003	5.4780e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MHD	0.35	0.66
tblVehicleEF	MHD	0.13	0.14
tblVehicleEF	MHD	0.84	0.62
tblVehicleEF	MHD	64.48	165.28
tblVehicleEF	MHD	900.30	1,088.35
tblVehicleEF	MHD	7.99	5.64
tblVehicleEF	MHD	9.3230e-003	0.03
tblVehicleEF	MHD	0.12	0.15
tblVehicleEF	MHD	6.4790e-003	3.9890e-003
tblVehicleEF	MHD	0.35	0.86
tblVehicleEF	MHD	0.88	0.67
tblVehicleEF	MHD	1.74	1.49
tblVehicleEF	MHD	2.6600e-004	1.1960e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	9.4320e-003	8.6070e-003
tblVehicleEF	MHD	9.2000e-005	6.1000e-005
tblVehicleEF	MHD	2.5400e-004	1.1440e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	9.0210e-003	8.2320e-003
tblVehicleEF	MHD	8.5000e-005	5.6000e-005
tblVehicleEF	MHD	5.5300e-004	0.02
tblVehicleEF	MHD	0.02	3.9230e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.9600e-004	0.00
tblVehicleEF	MHD	9.6690e-003	0.01
tblVehicleEF	MHD	0.01	9.6690e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.1200e-004	1.5180e-003
tblVehicleEF	MHD	8.5800e-003	0.01

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MHD	7.9000e-005	5.6000e-005
tblVehicleEF	MHD	5.5300e-004	0.02
tblVehicleEF	MHD	0.02	3.9230e-003
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	2.9600e-004	0.00
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.01	9.6690e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	3.1120e-003	0.02
tblVehicleEF	MHD	9.8800e-004	6.8950e-003
tblVehicleEF	MHD	7.5230e-003	5.2660e-003
tblVehicleEF	MHD	0.31	0.62
tblVehicleEF	MHD	0.13	0.14
tblVehicleEF	MHD	0.80	0.59
tblVehicleEF	MHD	64.28	163.79
tblVehicleEF	MHD	900.30	1,088.35
tblVehicleEF	MHD	7.92	5.58
tblVehicleEF	MHD	9.2600e-003	0.03
tblVehicleEF	MHD	0.12	0.15
tblVehicleEF	MHD	6.4040e-003	3.9140e-003
tblVehicleEF	MHD	0.34	0.83
tblVehicleEF	MHD	0.83	0.63
tblVehicleEF	MHD	1.74	1.48
tblVehicleEF	MHD	2.2700e-004	1.0200e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	9.4320e-003	8.6070e-003
tblVehicleEF	MHD	9.2000e-005	6.1000e-005
tblVehicleEF	MHD	2.1700e-004	9.7500e-004
tblVehicleEF	MHD	0.06	0.01

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MHD	9.0210e-003	8.2320e-003
tblVehicleEF	MHD	8.5000e-005	5.6000e-005
tblVehicleEF	MHD	1.0540e-003	0.02
tblVehicleEF	MHD	0.02	4.2250e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	5.5900e-004	0.00
tblVehicleEF	MHD	9.7230e-003	0.01
tblVehicleEF	MHD	0.02	9.9910e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.1000e-004	1.5040e-003
tblVehicleEF	MHD	8.5800e-003	0.01
tblVehicleEF	MHD	7.8000e-005	5.5000e-005
tblVehicleEF	MHD	1.0540e-003	0.02
tblVehicleEF	MHD	0.02	4.2250e-003
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	5.5900e-004	0.00
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.02	9.9910e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	3.4970e-003	0.02
tblVehicleEF	MHD	9.6400e-004	6.8810e-003
tblVehicleEF	MHD	7.8420e-003	5.4280e-003
tblVehicleEF	MHD	0.42	0.72
tblVehicleEF	MHD	0.13	0.14
tblVehicleEF	MHD	0.85	0.62
tblVehicleEF	MHD	64.75	167.33
tblVehicleEF	MHD	900.29	1,088.35
tblVehicleEF	MHD	8.01	5.63
tblVehicleEF	MHD	9.4140e-003	0.03

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MHD	0.12	0.15
tblVehicleEF	MHD	6.5240e-003	3.9650e-003
tblVehicleEF	MHD	0.37	0.90
tblVehicleEF	MHD	0.87	0.65
tblVehicleEF	MHD	1.74	1.48
tblVehicleEF	MHD	3.1900e-004	1.4400e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	9.4320e-003	8.6070e-003
tblVehicleEF	MHD	9.2000e-005	6.1000e-005
tblVehicleEF	MHD	3.0500e-004	1.3770e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	9.0210e-003	8.2320e-003
tblVehicleEF	MHD	8.5000e-005	5.6000e-005
tblVehicleEF	MHD	3.9400e-004	0.02
tblVehicleEF	MHD	0.02	3.9230e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.3300e-004	0.00
tblVehicleEF	MHD	9.6260e-003	0.01
tblVehicleEF	MHD	0.02	9.8710e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.1400e-004	1.5370e-003
tblVehicleEF	MHD	8.5800e-003	0.01
tblVehicleEF	MHD	7.9000e-005	5.6000e-005
tblVehicleEF	MHD	3.9400e-004	0.02
tblVehicleEF	MHD	0.02	3.9230e-003
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	2.3300e-004	0.00
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.02	9.8710e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	OBUS	8.4050e-003	0.02
tblVehicleEF	OBUS	3.3940e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.52	0.51
tblVehicleEF	OBUS	0.41	0.67
tblVehicleEF	OBUS	2.22	2.58
tblVehicleEF	OBUS	71.13	70.55
tblVehicleEF	OBUS	1,246.29	1,346.11
tblVehicleEF	OBUS	18.79	21.62
tblVehicleEF	OBUS	9.2540e-003	9.4290e-003
tblVehicleEF	OBUS	0.09	0.12
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.27	0.26
tblVehicleEF	OBUS	0.78	1.00
tblVehicleEF	OBUS	0.78	0.69
tblVehicleEF	OBUS	9.1000e-005	4.5000e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	8.2900e-003	0.02
tblVehicleEF	OBUS	2.0200e-004	1.8500e-004
tblVehicleEF	OBUS	8.7000e-005	4.3000e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	7.9170e-003	0.02
tblVehicleEF	OBUS	1.8600e-004	1.7000e-004
tblVehicleEF	OBUS	2.5200e-003	0.13
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	1.1050e-003	0.00
tblVehicleEF	OBUS	0.02	0.05

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	OBUS	0.08	0.05
tblVehicleEF	OBUS	0.11	0.13
tblVehicleEF	OBUS	6.7800e-004	6.2900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	1.8600e-004	2.1400e-004
tblVehicleEF	OBUS	2.5200e-003	0.13
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.06	0.08
tblVehicleEF	OBUS	1.1050e-003	0.00
tblVehicleEF	OBUS	0.03	0.09
tblVehicleEF	OBUS	0.08	0.05
tblVehicleEF	OBUS	0.12	0.14
tblVehicleEF	OBUS	8.4810e-003	0.02
tblVehicleEF	OBUS	3.4670e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.52	0.50
tblVehicleEF	OBUS	0.41	0.68
tblVehicleEF	OBUS	2.08	2.40
tblVehicleEF	OBUS	70.35	70.02
tblVehicleEF	OBUS	1,246.30	1,346.13
tblVehicleEF	OBUS	18.55	21.31
tblVehicleEF	OBUS	9.1360e-003	9.3490e-003
tblVehicleEF	OBUS	0.09	0.12
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.26	0.25
tblVehicleEF	OBUS	0.73	0.93
tblVehicleEF	OBUS	0.77	0.68
tblVehicleEF	OBUS	8.1000e-005	3.8600e-004
tblVehicleEF	OBUS	0.13	0.05

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	OBUS	8.2900e-003	0.02
tblVehicleEF	OBUS	2.0200e-004	1.8500e-004
tblVehicleEF	OBUS	7.7000e-005	3.6900e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	7.9170e-003	0.02
tblVehicleEF	OBUS	1.8600e-004	1.7000e-004
tblVehicleEF	OBUS	4.5960e-003	0.17
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	2.0760e-003	0.00
tblVehicleEF	OBUS	0.02	0.05
tblVehicleEF	OBUS	0.08	0.05
tblVehicleEF	OBUS	0.10	0.12
tblVehicleEF	OBUS	6.7100e-004	6.2400e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	1.8400e-004	2.1100e-004
tblVehicleEF	OBUS	4.5960e-003	0.17
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.06	0.08
tblVehicleEF	OBUS	2.0760e-003	0.00
tblVehicleEF	OBUS	0.03	0.09
tblVehicleEF	OBUS	0.08	0.05
tblVehicleEF	OBUS	0.11	0.13
tblVehicleEF	OBUS	8.3290e-003	0.02
tblVehicleEF	OBUS	3.3710e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.53	0.52
tblVehicleEF	OBUS	0.40	0.67
tblVehicleEF	OBUS	2.24	2.57

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	OBUS	72.21	71.30
tblVehicleEF	OBUS	1,246.29	1,346.11
tblVehicleEF	OBUS	18.83	21.60
tblVehicleEF	OBUS	9.4230e-003	9.5470e-003
tblVehicleEF	OBUS	0.09	0.12
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.29	0.27
tblVehicleEF	OBUS	0.78	0.98
tblVehicleEF	OBUS	0.78	0.68
tblVehicleEF	OBUS	1.0500e-004	5.3900e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	8.2900e-003	0.02
tblVehicleEF	OBUS	2.0200e-004	1.8500e-004
tblVehicleEF	OBUS	1.0000e-004	5.1500e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	7.9170e-003	0.02
tblVehicleEF	OBUS	1.8600e-004	1.7000e-004
tblVehicleEF	OBUS	2.2040e-003	0.14
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	1.0340e-003	0.00
tblVehicleEF	OBUS	0.02	0.05
tblVehicleEF	OBUS	0.08	0.05
tblVehicleEF	OBUS	0.11	0.13
tblVehicleEF	OBUS	6.8800e-004	6.3600e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	1.8600e-004	2.1400e-004
tblVehicleEF	OBUS	2.2040e-003	0.14
tblVehicleEF	OBUS	0.02	0.03

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	1.0340e-003	0.00
tblVehicleEF	OBUS	0.03	0.09
tblVehicleEF	OBUS	0.08	0.05
tblVehicleEF	OBUS	0.12	0.14
tblVehicleEF	SBUS	0.08	0.51
tblVehicleEF	SBUS	5.5200e-003	1.36
tblVehicleEF	SBUS	7.3930e-003	7.7090e-003
tblVehicleEF	SBUS	3.25	3.05
tblVehicleEF	SBUS	0.45	5.22
tblVehicleEF	SBUS	0.94	0.98
tblVehicleEF	SBUS	354.78	271.75
tblVehicleEF	SBUS	1,057.65	1,223.93
tblVehicleEF	SBUS	6.15	6.23
tblVehicleEF	SBUS	0.05	0.04
tblVehicleEF	SBUS	0.13	0.16
tblVehicleEF	SBUS	7.4230e-003	7.2280e-003
tblVehicleEF	SBUS	3.05	1.19
tblVehicleEF	SBUS	3.89	2.35
tblVehicleEF	SBUS	0.98	0.17
tblVehicleEF	SBUS	2.7150e-003	1.4160e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	2.5970e-003	1.3400e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.6480e-003	2.5540e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	4.6000e-005	4.7000e-005

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	SBUS	1.7830e-003	0.08
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.37	0.30
tblVehicleEF	SBUS	8.7100e-004	0.00
tblVehicleEF	SBUS	0.08	0.08
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.3900e-003	1.4080e-003
tblVehicleEF	SBUS	0.01	7.0020e-003
tblVehicleEF	SBUS	6.1000e-005	6.2000e-005
tblVehicleEF	SBUS	1.7830e-003	0.08
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.54	0.89
tblVehicleEF	SBUS	8.7100e-004	0.00
tblVehicleEF	SBUS	0.09	1.46
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	0.08	0.51
tblVehicleEF	SBUS	5.5830e-003	1.36
tblVehicleEF	SBUS	6.2000e-003	6.4280e-003
tblVehicleEF	SBUS	3.22	3.04
tblVehicleEF	SBUS	0.46	5.23
tblVehicleEF	SBUS	0.68	0.70
tblVehicleEF	SBUS	362.08	274.92
tblVehicleEF	SBUS	1,057.66	1,223.95
tblVehicleEF	SBUS	5.72	5.76
tblVehicleEF	SBUS	0.05	0.04
tblVehicleEF	SBUS	0.12	0.16
tblVehicleEF	SBUS	7.1800e-003	6.9590e-003

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	SBUS	3.11	1.22
tblVehicleEF	SBUS	3.66	2.20
tblVehicleEF	SBUS	0.97	0.17
tblVehicleEF	SBUS	2.2970e-003	1.2590e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	2.1970e-003	1.1900e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.6480e-003	2.5540e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	4.6000e-005	4.7000e-005
tblVehicleEF	SBUS	3.2020e-003	0.10
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.37	0.30
tblVehicleEF	SBUS	1.5880e-003	0.00
tblVehicleEF	SBUS	0.08	0.08
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4590e-003	1.4380e-003
tblVehicleEF	SBUS	0.01	7.0020e-003
tblVehicleEF	SBUS	3.2020e-003	0.10
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.54	0.89
tblVehicleEF	SBUS	1.5880e-003	0.00
tblVehicleEF	SBUS	0.09	1.46
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	0.08	0.51

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	SBUS	5.5110e-003	1.36
tblVehicleEF	SBUS	7.6670e-003	7.8450e-003
tblVehicleEF	SBUS	3.29	3.07
tblVehicleEF	SBUS	0.45	5.22
tblVehicleEF	SBUS	0.99	1.00
tblVehicleEF	SBUS	344.70	267.36
tblVehicleEF	SBUS	1,057.65	1,223.93
tblVehicleEF	SBUS	6.23	6.27
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	0.13	0.16
tblVehicleEF	SBUS	7.5280e-003	7.2910e-003
tblVehicleEF	SBUS	2.97	1.15
tblVehicleEF	SBUS	3.86	2.31
tblVehicleEF	SBUS	0.98	0.17
tblVehicleEF	SBUS	3.2920e-003	1.6330e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	3.1500e-003	1.5470e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.6480e-003	2.5540e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	4.6000e-005	4.7000e-005
tblVehicleEF	SBUS	1.5040e-003	0.08
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.37	0.30
tblVehicleEF	SBUS	8.3300e-004	0.00
tblVehicleEF	SBUS	0.08	0.08
tblVehicleEF	SBUS	0.02	0.02

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	SBUS	0.04	0.05
tblVehicleEF	SBUS	3.2950e-003	1.3660e-003
tblVehicleEF	SBUS	0.01	7.0020e-003
tblVehicleEF	SBUS	1.5040e-003	0.08
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.54	0.89
tblVehicleEF	SBUS	8.3300e-004	0.00
tblVehicleEF	SBUS	0.09	1.46
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	UBUS	3.36	0.93
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	26.11	16.50
tblVehicleEF	UBUS	1.44	2.81
tblVehicleEF	UBUS	1,572.01	1,771.46
tblVehicleEF	UBUS	16.65	27.13
tblVehicleEF	UBUS	0.23	0.25
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.31	0.48
tblVehicleEF	UBUS	0.15	0.27
tblVehicleEF	UBUS	0.09	0.11
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	2.8020e-003	6.5900e-004
tblVehicleEF	UBUS	2.1900e-004	1.9200e-004
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	5.4780e-003	5.8730e-003
tblVehicleEF	UBUS	2.6610e-003	6.1000e-004
tblVehicleEF	UBUS	2.0200e-004	1.7600e-004
tblVehicleEF	UBUS	1.0760e-003	0.06

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	UBUS	7.9910e-003	0.02
tblVehicleEF	UBUS	6.3100e-004	0.00
tblVehicleEF	UBUS	0.05	0.02
tblVehicleEF	UBUS	8.6200e-004	1.2520e-003
tblVehicleEF	UBUS	0.07	0.14
tblVehicleEF	UBUS	4.4660e-003	5.5490e-003
tblVehicleEF	UBUS	1.6500e-004	2.6800e-004
tblVehicleEF	UBUS	1.0760e-003	0.06
tblVehicleEF	UBUS	7.9910e-003	0.02
tblVehicleEF	UBUS	6.3100e-004	0.00
tblVehicleEF	UBUS	3.43	0.95
tblVehicleEF	UBUS	8.6200e-004	1.2520e-003
tblVehicleEF	UBUS	0.07	0.15
tblVehicleEF	UBUS	3.36	0.93
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	26.11	16.50
tblVehicleEF	UBUS	1.22	2.39
tblVehicleEF	UBUS	1,572.01	1,771.46
tblVehicleEF	UBUS	16.28	26.42
tblVehicleEF	UBUS	0.23	0.25
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.30	0.47
tblVehicleEF	UBUS	0.15	0.25
tblVehicleEF	UBUS	0.09	0.11
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	2.8020e-003	6.5900e-004
tblVehicleEF	UBUS	2.1900e-004	1.9200e-004
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	5.4780e-003	5.8730e-003

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	UBUS	2.6610e-003	6.1000e-004
tblVehicleEF	UBUS	2.0200e-004	1.7600e-004
tblVehicleEF	UBUS	1.9350e-003	0.09
tblVehicleEF	UBUS	9.6880e-003	0.02
tblVehicleEF	UBUS	1.3100e-003	0.00
tblVehicleEF	UBUS	0.05	0.02
tblVehicleEF	UBUS	8.3800e-004	1.3110e-003
tblVehicleEF	UBUS	0.06	0.13
tblVehicleEF	UBUS	4.4660e-003	5.5490e-003
tblVehicleEF	UBUS	1.6100e-004	2.6100e-004
tblVehicleEF	UBUS	1.9350e-003	0.09
tblVehicleEF	UBUS	9.6880e-003	0.02
tblVehicleEF	UBUS	1.3100e-003	0.00
tblVehicleEF	UBUS	3.43	0.95
tblVehicleEF	UBUS	8.3800e-004	1.3110e-003
tblVehicleEF	UBUS	0.07	0.14
tblVehicleEF	UBUS	3.36	0.93
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	26.11	16.50
tblVehicleEF	UBUS	1.43	2.79
tblVehicleEF	UBUS	1,572.01	1,771.46
tblVehicleEF	UBUS	16.63	27.10
tblVehicleEF	UBUS	0.23	0.25
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.30	0.47
tblVehicleEF	UBUS	0.15	0.26
tblVehicleEF	UBUS	0.09	0.11
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	2.8020e-003	6.5900e-004

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	UBUS	2.1900e-004	1.9200e-004
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	5.4780e-003	5.8730e-003
tblVehicleEF	UBUS	2.6610e-003	6.1000e-004
tblVehicleEF	UBUS	2.0200e-004	1.7600e-004
tblVehicleEF	UBUS	1.1530e-003	0.07
tblVehicleEF	UBUS	9.2230e-003	0.02
tblVehicleEF	UBUS	6.7300e-004	0.00
tblVehicleEF	UBUS	0.05	0.02
tblVehicleEF	UBUS	9.9400e-004	1.2930e-003
tblVehicleEF	UBUS	0.07	0.14
tblVehicleEF	UBUS	4.4660e-003	5.5490e-003
tblVehicleEF	UBUS	1.6500e-004	2.6800e-004
tblVehicleEF	UBUS	1.1530e-003	0.07
tblVehicleEF	UBUS	9.2230e-003	0.02
tblVehicleEF	UBUS	6.7300e-004	0.00
tblVehicleEF	UBUS	3.43	0.95
tblVehicleEF	UBUS	9.9400e-004	1.2930e-003
tblVehicleEF	UBUS	0.07	0.15
tblVehicleTrips	ST_TR	4.91	4.54
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.21	10.87
tblVehicleTrips	ST_TR	8.19	7.99
tblVehicleTrips	ST_TR	42.04	36.50
tblVehicleTrips	SU_TR	4.09	4.54
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	0.70	10.87
tblVehicleTrips	SU_TR	5.95	7.99
tblVehicleTrips	SU_TR	20.43	36.50

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	WD_TR	5.44	4.54
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	9.74	10.87
tblVehicleTrips	WD_TR	8.36	7.99
tblVehicleTrips	WD_TR	44.32	36.50
tblWoodstoves	NumberCatalytic	81.35	0.00
tblWoodstoves	NumberNoncatalytic	81.35	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	57.7256	24.4867	144.0078	0.1535		2.5994	2.5994		2.5994	2.5994	0.0000	29,528.0028	29,528.0028	0.7936	0.5369	29,707.8412
Energy	1.3878	12.2388	7.8319	0.0757		0.9588	0.9588		0.9588	0.9588		15,139.1101	15,139.1101	0.2902	0.2776	15,229.0742
Mobile	33.3918	24.0182	293.7925	0.6062	65.4130	0.3759	65.7889	16.2457	0.3489	16.5946		61,395.7939	61,395.7939	3.2330	2.2169	62,137.2505
Total	92.5051	60.7437	445.6322	0.8354	65.4130	3.9341	69.3470	16.2457	3.9071	20.1528	0.0000	106,062.9068	106,062.9068	4.3168	3.0313	107,074.1660

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	55.0411	1.5460	134.2458	7.1000e-003		0.7446	0.7446		0.7446	0.7446	0.0000	242.0028	242.0028	0.2323	0.0000	247.8092
Energy	1.3878	12.2388	7.8319	0.0757		0.9588	0.9588		0.9588	0.9588		15,139.1101	15,139.1101	0.2902	0.2776	15,229.0742
Mobile	29.5852	16.4268	199.1773	0.3547	37.4748	0.2360	37.7108	9.3071	0.2189	9.5260		35,920.4473	35,920.4473	2.5727	1.5948	36,460.0009
Total	86.0140	30.2116	341.2550	0.4375	37.4748	1.9394	39.4142	9.3071	1.9223	11.2294	0.0000	51,301.5602	51,301.5602	3.0951	1.8723	51,936.8843

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	7.02	50.26	23.42	47.63	42.71	50.70	43.16	42.71	50.80	44.28	0.00	51.63	51.63	28.30	38.24	51.49

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	3/14/2022	3/14/2022	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 9.48

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45

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
Building Construction	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.1 Mitigation Measures Construction

3.2 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	0.0000	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

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	0.0000
Vendor	0.0000	0.0000	0.0000	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
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

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Construction - 2022

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	0.0000	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

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	0.0000
Vendor	0.0000	0.0000	0.0000	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
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

4.0 Operational Detail - Mobile

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.1 Mitigation Measures Mobile

Increase Density

Increase Diversity

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	29.5852	16.4268	199.1773	0.3547	37.4748	0.2360	37.7108	9.3071	0.2189	9.5260		35,920.4473	35,920.4473	2.5727	1.5948	36,460.0009
Unmitigated	33.3918	24.0182	293.7925	0.6062	65.4130	0.3759	65.7889	16.2457	0.3489	16.5946		61,395.7939	61,395.7939	3.2330	2.2169	62,137.2505

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	7,390.00	7,390.00	7390.00	25,252,753	14,467,193
City Park	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	652.00	652.00	652.00	2,100,393	1,203,306
Hotel	2,158.00	2,158.00	2158.00	5,149,357	2,950,044
Strip Mall	876.00	876.00	876.00	1,666,673	954,830
Total	11,076.00	11,076.00	11,076.00	34,169,176	19,575,373

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Land Use	Miles			Trip %			Trip Purpose %		
	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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.550222	0.063995	0.181756	0.141347	0.031986	0.000000	0.000000	0.000000	0.000000	0.000000	0.030695	0.000000	0.000000
City Park	0.550222	0.063995	0.181756	0.141347	0.031986	0.000000	0.000000	0.000000	0.000000	0.000000	0.030695	0.000000	0.000000
Enclosed Parking with Elevator	0.550222	0.063995	0.181756	0.141347	0.031986	0.000000	0.000000	0.000000	0.000000	0.000000	0.030695	0.000000	0.000000
General Office Building	0.550222	0.063995	0.181756	0.141347	0.031986	0.000000	0.000000	0.000000	0.000000	0.000000	0.030695	0.000000	0.000000
Hotel	0.550222	0.063995	0.181756	0.141347	0.031986	0.000000	0.000000	0.000000	0.000000	0.000000	0.030695	0.000000	0.000000
Strip Mall	0.550222	0.063995	0.181756	0.141347	0.031986	0.000000	0.000000	0.000000	0.000000	0.000000	0.030695	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.3878	12.2388	7.8319	0.0757		0.9588	0.9588		0.9588	0.9588		15,139.1101	15,139.1101	0.2902	0.2776	15,229.0742
NaturalGas Unmitigated	1.3878	12.2388	7.8319	0.0757		0.9588	0.9588		0.9588	0.9588		15,139.1101	15,139.1101	0.2902	0.2776	15,229.0742

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	64109	0.6914	5.9081	2.5141	0.0377		0.4777	0.4777		0.4777	0.4777		7,542.2371	7,542.2371	0.1446	0.1383	7,587.0568
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
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
General Office Building	563.836	6.0800e-003	0.0553	0.0464	3.3000e-004		4.2000e-003	4.2000e-003		4.2000e-003	4.2000e-003		66.3336	66.3336	1.2700e-003	1.2200e-003	66.7278
Hotel	63864.9	0.6887	6.2613	5.2595	0.0376		0.4759	0.4759		0.4759	0.4759		7,513.5208	7,513.5208	0.1440	0.1378	7,558.1699
Strip Mall	144.658	1.5600e-003	0.0142	0.0119	9.0000e-005		1.0800e-003	1.0800e-003		1.0800e-003	1.0800e-003		17.0185	17.0185	3.3000e-004	3.1000e-004	17.1197
Total		1.3878	12.2388	7.8319	0.0757		0.9588	0.9588		0.9588	0.9588		15,139.1101	15,139.1101	0.2902	0.2776	15,229.0742

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

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	64.109	0.6914	5.9081	2.5141	0.0377		0.4777	0.4777		0.4777	0.4777		7,542.2371	7,542.2371	0.1446	0.1383	7,587.0568
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
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
General Office Building	0.563836	6.0800e-003	0.0553	0.0464	3.3000e-004		4.2000e-003	4.2000e-003		4.2000e-003	4.2000e-003		66.3336	66.3336	1.2700e-003	1.2200e-003	66.7278
Hotel	63.8649	0.6887	6.2613	5.2595	0.0376		0.4759	0.4759		0.4759	0.4759		7,513.5208	7,513.5208	0.1440	0.1378	7,558.1699
Strip Mall	0.144658	1.5600e-003	0.0142	0.0119	9.0000e-005		1.0800e-003	1.0800e-003		1.0800e-003	1.0800e-003		17.0185	17.0185	3.3000e-004	3.1000e-004	17.1197
Total		1.3878	12.2388	7.8319	0.0757		0.9588	0.9588		0.9588	0.9588		15,139.1101	15,139.1101	0.2902	0.2776	15,229.0742

6.0 Area Detail

6.1 Mitigation Measures Area

No Hearths Installed

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	55.0411	1.5460	134.2458	7.1000e-003		0.7446	0.7446		0.7446	0.7446	0.0000	242.0028	242.0028	0.2323	0.0000	247.8092
Unmitigated	57.7256	24.4867	144.0078	0.1535		2.5994	2.5994		2.5994	2.5994	0.0000	29,528.0028	29,528.0028	0.7936	0.5369	29,707.8412

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	4.4429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	46.5586					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	2.6846	22.9407	9.7620	0.1464		1.8548	1.8548		1.8548	1.8548	0.0000	29,286.0000	29,286.0000	0.5613	0.5369	29,460.0321
Landscaping	4.0396	1.5460	134.2458	7.1000e-003		0.7446	0.7446		0.7446	0.7446		242.0028	242.0028	0.2323		247.8092
Total	57.7256	24.4867	144.0078	0.1535		2.5994	2.5994		2.5994	2.5994	0.0000	29,528.0028	29,528.0028	0.7936	0.5369	29,707.8412

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

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	4.4429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	46.5586					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	4.0396	1.5460	134.2458	7.1000e-003		0.7446	0.7446		0.7446	0.7446		242.0028	242.0028	0.2323		247.8092
Total	55.0411	1.5460	134.2458	7.1000e-003		0.7446	0.7446		0.7446	0.7446	0.0000	242.0028	242.0028	0.2323	0.0000	247.8092

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

Moreno Valley Redevelopment Project - Operations - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Moreno Valley Redevelopment Project - Operations Mitigated
Riverside-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	60.00	1000sqft	1.38	60,000.00	0
Enclosed Parking with Elevator	1,053.00	Space	9.48	421,200.00	0
City Park	1.48	Acre	1.48	64,263.98	0
Hotel	270.00	Room	9.00	392,040.00	0
Apartments Mid Rise	1,627.00	Dwelling Unit	42.82	1,867,700.00	4653
Strip Mall	24.00	1000sqft	0.55	24,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2026
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - multi-family square feet based on site plan, other land uses conservatively use default settings which are higher, landscape area shown as park,

Construction Phase - Operations only Model, no construction

Off-road Equipment - operations only, no construction

Trips and VMT - Operations only Model, no construction

Vehicle Trips - residential trip rate 7,390/1,627 = 4.542102028272895, Hotel rate 2158/270 = 7.992592592592593, office rate 652/60 = 10.866666666666667, mall addition 876/24 =36.5,

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Vehicle Emission Factors - EMFAC 2021 - Riverside County (SC)2026

Vehicle Emission Factors - EMFAC 2021 - Riverside County (SC)2026

Vehicle Emission Factors - EMFAC 2021 - Riverside County (SC)2026

Woodstoves - no wood burning per SCAQMD Rule 445

Consumer Products -

Area Coating - area mitigation

Mobile Land Use Mitigation - DU acres 583, Jobs acres 414

Mobile Commute Mitigation - TDM Mitigation

Area Mitigation - Area source mitigation

Energy Mitigation - Energy Mitigation

Water Mitigation -

Waste Mitigation - Recycling mitigation

Fleet Mix - modified fleet mix based on traffic study

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	100	50
tblConstructionPhase	NumDays	1,110.00	1.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	1,382.95	0.00
tblFireplaces	NumberNoFireplace	162.70	0.00
tblFireplaces	NumberWood	81.35	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.54	0.55
tblFleetMix	LDA	0.54	0.55
tblFleetMix	LDA	0.54	0.55
tblFleetMix	LDA	0.54	0.55
tblFleetMix	LDA	0.54	0.55
tblFleetMix	LDA	0.54	0.55
tblFleetMix	LDA	0.54	0.55
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LHD1	0.02	0.03
tblFleetMix	LHD1	0.02	0.03
tblFleetMix	LHD1	0.02	0.03
tblFleetMix	LHD1	0.02	0.03
tblFleetMix	LHD1	0.02	0.03
tblFleetMix	LHD1	0.02	0.03
tblFleetMix	LHD2	6.9600e-003	0.00
tblFleetMix	LHD2	6.9600e-003	0.00

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFleetMix	LHD2	6.9600e-003	0.00
tblFleetMix	LHD2	6.9600e-003	0.00
tblFleetMix	LHD2	6.9600e-003	0.00
tblFleetMix	LHD2	6.9600e-003	0.00
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MDV	0.13	0.14
tblFleetMix	MDV	0.13	0.14
tblFleetMix	MDV	0.13	0.14
tblFleetMix	MDV	0.13	0.14
tblFleetMix	MDV	0.13	0.14
tblFleetMix	MDV	0.13	0.14
tblFleetMix	MH	4.6890e-003	0.00
tblFleetMix	MH	4.6890e-003	0.00
tblFleetMix	MH	4.6890e-003	0.00
tblFleetMix	MH	4.6890e-003	0.00
tblFleetMix	MH	4.6890e-003	0.00
tblFleetMix	MH	4.6890e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	6.0800e-004	0.00

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFleetMix	OBUS	6.0800e-004	0.00
tblFleetMix	OBUS	6.0800e-004	0.00
tblFleetMix	OBUS	6.0800e-004	0.00
tblFleetMix	OBUS	6.0800e-004	0.00
tblFleetMix	OBUS	6.0800e-004	0.00
tblFleetMix	SBUS	1.0910e-003	0.00
tblFleetMix	SBUS	1.0910e-003	0.00
tblFleetMix	SBUS	1.0910e-003	0.00
tblFleetMix	SBUS	1.0910e-003	0.00
tblFleetMix	SBUS	1.0910e-003	0.00
tblFleetMix	SBUS	1.0910e-003	0.00
tblFleetMix	SBUS	1.0910e-003	0.00
tblFleetMix	UBUS	2.9800e-004	0.00
tblFleetMix	UBUS	2.9800e-004	0.00
tblFleetMix	UBUS	2.9800e-004	0.00
tblFleetMix	UBUS	2.9800e-004	0.00
tblFleetMix	UBUS	2.9800e-004	0.00
tblFleetMix	UBUS	2.9800e-004	0.00
tblLandUse	LandUseSquareFeet	64,468.80	64,263.98
tblLandUse	LandUseSquareFeet	1,627,000.00	1,867,700.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblTripsAndVMT	VendorTripNumber	332.00	0.00
tblTripsAndVMT	WorkerTripNumber	1,567.00	0.00
tblVehicleEF	HHD	0.03	0.11
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	8.34	5.04

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	HHD	0.22	0.19
tblVehicleEF	HHD	2.2440e-003	2.0750e-003
tblVehicleEF	HHD	1,303.68	775.04
tblVehicleEF	HHD	1,185.67	1,500.37
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.21	0.12
tblVehicleEF	HHD	0.19	0.24
tblVehicleEF	HHD	1.0000e-006	4.0000e-006
tblVehicleEF	HHD	6.75	3.98
tblVehicleEF	HHD	1.88	1.45
tblVehicleEF	HHD	2.39	2.76
tblVehicleEF	HHD	2.6250e-003	1.8450e-003
tblVehicleEF	HHD	0.06	0.07
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	2.5110e-003	1.7600e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8900e-003	8.7810e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	1.0000e-006	1.2900e-004
tblVehicleEF	HHD	3.5000e-005	3.3000e-005
tblVehicleEF	HHD	0.56	0.33
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.3000e-005	3.4000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.01	7.0390e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	1.0000e-006	1.2900e-004

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	HHD	3.5000e-005	3.3000e-005
tblVehicleEF	HHD	0.64	0.47
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	1.3000e-005	3.4000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.03	0.11
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	8.23	4.97
tblVehicleEF	HHD	0.23	0.19
tblVehicleEF	HHD	2.1300e-003	1.9580e-003
tblVehicleEF	HHD	1,286.98	765.93
tblVehicleEF	HHD	1,185.67	1,500.37
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.20	0.12
tblVehicleEF	HHD	0.19	0.24
tblVehicleEF	HHD	1.0000e-006	4.0000e-006
tblVehicleEF	HHD	6.42	3.79
tblVehicleEF	HHD	1.77	1.38
tblVehicleEF	HHD	2.39	2.76
tblVehicleEF	HHD	2.3220e-003	1.6370e-003
tblVehicleEF	HHD	0.06	0.07
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	2.2220e-003	1.5620e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8900e-003	8.7810e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	2.0000e-006	1.8300e-004

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	HHD	3.9000e-005	3.6000e-005
tblVehicleEF	HHD	0.60	0.35
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.3000e-005	3.6000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.01	6.9530e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0000e-006	1.8300e-004
tblVehicleEF	HHD	3.9000e-005	3.6000e-005
tblVehicleEF	HHD	0.68	0.49
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	1.3000e-005	3.6000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.03	0.11
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	8.49	5.13
tblVehicleEF	HHD	0.22	0.19
tblVehicleEF	HHD	2.2470e-003	2.0530e-003
tblVehicleEF	HHD	1,326.74	787.61
tblVehicleEF	HHD	1,185.67	1,500.37
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.21	0.13
tblVehicleEF	HHD	0.19	0.24
tblVehicleEF	HHD	1.0000e-006	4.0000e-006
tblVehicleEF	HHD	7.20	4.24
tblVehicleEF	HHD	1.86	1.43
tblVehicleEF	HHD	2.39	2.76

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	HHD	3.0430e-003	2.1320e-003
tblVehicleEF	HHD	0.06	0.07
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	2.9110e-003	2.0350e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8900e-003	8.7810e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	1.0000e-006	1.3100e-004
tblVehicleEF	HHD	3.8000e-005	3.3000e-005
tblVehicleEF	HHD	0.52	0.30
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.4000e-005	3.6000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.01	7.1580e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	1.0000e-006	1.3100e-004
tblVehicleEF	HHD	3.8000e-005	3.3000e-005
tblVehicleEF	HHD	0.59	0.44
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	1.4000e-005	3.6000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	LDA	1.3900e-003	1.7950e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.49	0.63
tblVehicleEF	LDA	1.78	2.42
tblVehicleEF	LDA	226.97	254.28

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDA	46.78	63.08
tblVehicleEF	LDA	3.5640e-003	3.8500e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.14	0.20
tblVehicleEF	LDA	0.04	6.8120e-003
tblVehicleEF	LDA	1.1390e-003	1.1350e-003
tblVehicleEF	LDA	1.5610e-003	1.8510e-003
tblVehicleEF	LDA	0.02	2.3840e-003
tblVehicleEF	LDA	1.0480e-003	1.0440e-003
tblVehicleEF	LDA	1.4360e-003	1.7020e-003
tblVehicleEF	LDA	0.05	0.29
tblVehicleEF	LDA	0.08	0.08
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	4.8900e-003	6.4240e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.15	0.24
tblVehicleEF	LDA	2.2450e-003	2.5140e-003
tblVehicleEF	LDA	4.6300e-004	6.2400e-004
tblVehicleEF	LDA	0.05	0.29
tblVehicleEF	LDA	0.08	0.08
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	7.1090e-003	9.3600e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.16	0.27
tblVehicleEF	LDA	1.5850e-003	1.9070e-003
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.60	0.84
tblVehicleEF	LDA	1.58	2.03

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDA	246.66	275.38
tblVehicleEF	LDA	46.39	62.35
tblVehicleEF	LDA	3.3980e-003	3.4260e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.13	0.19
tblVehicleEF	LDA	0.04	6.8120e-003
tblVehicleEF	LDA	1.1390e-003	1.1350e-003
tblVehicleEF	LDA	1.5610e-003	1.8510e-003
tblVehicleEF	LDA	0.02	2.3840e-003
tblVehicleEF	LDA	1.0480e-003	1.0440e-003
tblVehicleEF	LDA	1.4360e-003	1.7020e-003
tblVehicleEF	LDA	0.10	0.37
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.07	0.00
tblVehicleEF	LDA	5.5160e-003	6.7360e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.13	0.21
tblVehicleEF	LDA	2.4400e-003	2.7220e-003
tblVehicleEF	LDA	4.5900e-004	6.1600e-004
tblVehicleEF	LDA	0.10	0.37
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.07	0.00
tblVehicleEF	LDA	8.0220e-003	9.8150e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.14	0.23
tblVehicleEF	LDA	1.3420e-003	1.7830e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.46	0.59

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDA	1.82	2.40
tblVehicleEF	LDA	221.60	250.72
tblVehicleEF	LDA	46.84	63.05
tblVehicleEF	LDA	3.4590e-003	3.7410e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.14	0.20
tblVehicleEF	LDA	0.04	6.8120e-003
tblVehicleEF	LDA	1.1390e-003	1.1350e-003
tblVehicleEF	LDA	1.5610e-003	1.8510e-003
tblVehicleEF	LDA	0.02	2.3840e-003
tblVehicleEF	LDA	1.0480e-003	1.0440e-003
tblVehicleEF	LDA	1.4360e-003	1.7020e-003
tblVehicleEF	LDA	0.04	0.29
tblVehicleEF	LDA	0.08	0.08
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	4.7260e-003	6.3810e-003
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.15	0.24
tblVehicleEF	LDA	2.1920e-003	2.4780e-003
tblVehicleEF	LDA	4.6400e-004	6.2300e-004
tblVehicleEF	LDA	0.04	0.29
tblVehicleEF	LDA	0.08	0.08
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	6.8700e-003	9.2970e-003
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.16	0.27
tblVehicleEF	LDT1	3.9800e-003	7.5830e-003
tblVehicleEF	LDT1	0.05	0.11

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT1	0.94	1.67
tblVehicleEF	LDT1	1.97	5.32
tblVehicleEF	LDT1	273.46	328.61
tblVehicleEF	LDT1	57.18	85.64
tblVehicleEF	LDT1	6.1070e-003	0.01
tblVehicleEF	LDT1	0.02	0.04
tblVehicleEF	LDT1	0.07	0.15
tblVehicleEF	LDT1	0.20	0.41
tblVehicleEF	LDT1	0.04	8.4870e-003
tblVehicleEF	LDT1	1.5350e-003	1.9820e-003
tblVehicleEF	LDT1	2.0570e-003	3.0340e-003
tblVehicleEF	LDT1	0.02	2.9700e-003
tblVehicleEF	LDT1	1.4120e-003	1.8240e-003
tblVehicleEF	LDT1	1.8920e-003	2.7890e-003
tblVehicleEF	LDT1	0.14	0.81
tblVehicleEF	LDT1	0.18	0.20
tblVehicleEF	LDT1	0.10	0.00
tblVehicleEF	LDT1	0.02	0.03
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.25	0.57
tblVehicleEF	LDT1	2.7060e-003	3.2490e-003
tblVehicleEF	LDT1	5.6600e-004	8.4700e-004
tblVehicleEF	LDT1	0.14	0.81
tblVehicleEF	LDT1	0.18	0.20
tblVehicleEF	LDT1	0.10	0.00
tblVehicleEF	LDT1	0.02	0.05
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.28	0.62
tblVehicleEF	LDT1	4.5000e-003	8.0280e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT1	0.05	0.10
tblVehicleEF	LDT1	1.14	2.22
tblVehicleEF	LDT1	1.75	4.42
tblVehicleEF	LDT1	294.44	353.57
tblVehicleEF	LDT1	56.72	83.93
tblVehicleEF	LDT1	5.8110e-003	9.7840e-003
tblVehicleEF	LDT1	0.02	0.04
tblVehicleEF	LDT1	0.07	0.13
tblVehicleEF	LDT1	0.19	0.38
tblVehicleEF	LDT1	0.04	8.4870e-003
tblVehicleEF	LDT1	1.5350e-003	1.9820e-003
tblVehicleEF	LDT1	2.0570e-003	3.0340e-003
tblVehicleEF	LDT1	0.02	2.9700e-003
tblVehicleEF	LDT1	1.4120e-003	1.8240e-003
tblVehicleEF	LDT1	1.8920e-003	2.7890e-003
tblVehicleEF	LDT1	0.28	1.04
tblVehicleEF	LDT1	0.21	0.22
tblVehicleEF	LDT1	0.19	0.00
tblVehicleEF	LDT1	0.02	0.03
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.22	0.48
tblVehicleEF	LDT1	2.9140e-003	3.4950e-003
tblVehicleEF	LDT1	5.6100e-004	8.3000e-004
tblVehicleEF	LDT1	0.28	1.04
tblVehicleEF	LDT1	0.21	0.22
tblVehicleEF	LDT1	0.19	0.00
tblVehicleEF	LDT1	0.03	0.05
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.24	0.53

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT1	3.8250e-003	7.5320e-003
tblVehicleEF	LDT1	0.05	0.11
tblVehicleEF	LDT1	0.87	1.58
tblVehicleEF	LDT1	2.02	5.28
tblVehicleEF	LDT1	267.05	324.40
tblVehicleEF	LDT1	57.28	85.58
tblVehicleEF	LDT1	5.9500e-003	0.01
tblVehicleEF	LDT1	0.02	0.04
tblVehicleEF	LDT1	0.07	0.15
tblVehicleEF	LDT1	0.20	0.40
tblVehicleEF	LDT1	0.04	8.4870e-003
tblVehicleEF	LDT1	1.5350e-003	1.9820e-003
tblVehicleEF	LDT1	2.0570e-003	3.0340e-003
tblVehicleEF	LDT1	0.02	2.9700e-003
tblVehicleEF	LDT1	1.4120e-003	1.8240e-003
tblVehicleEF	LDT1	1.8920e-003	2.7890e-003
tblVehicleEF	LDT1	0.12	0.81
tblVehicleEF	LDT1	0.19	0.20
tblVehicleEF	LDT1	0.09	0.00
tblVehicleEF	LDT1	0.02	0.03
tblVehicleEF	LDT1	0.09	0.07
tblVehicleEF	LDT1	0.26	0.57
tblVehicleEF	LDT1	2.6430e-003	3.2070e-003
tblVehicleEF	LDT1	5.6700e-004	8.4600e-004
tblVehicleEF	LDT1	0.12	0.81
tblVehicleEF	LDT1	0.19	0.20
tblVehicleEF	LDT1	0.09	0.00
tblVehicleEF	LDT1	0.02	0.05
tblVehicleEF	LDT1	0.09	0.07

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT1	0.28	0.62
tblVehicleEF	LDT2	2.5050e-003	2.4680e-003
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.69	0.77
tblVehicleEF	LDT2	2.28	2.97
tblVehicleEF	LDT2	282.19	330.84
tblVehicleEF	LDT2	59.29	82.24
tblVehicleEF	LDT2	4.9570e-003	5.3210e-003
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.20	0.27
tblVehicleEF	LDT2	0.04	8.0340e-003
tblVehicleEF	LDT2	1.2190e-003	1.2010e-003
tblVehicleEF	LDT2	1.6200e-003	1.9310e-003
tblVehicleEF	LDT2	0.02	2.8120e-003
tblVehicleEF	LDT2	1.1220e-003	1.1040e-003
tblVehicleEF	LDT2	1.4900e-003	1.7750e-003
tblVehicleEF	LDT2	0.09	0.30
tblVehicleEF	LDT2	0.11	0.07
tblVehicleEF	LDT2	0.08	0.00
tblVehicleEF	LDT2	9.6580e-003	9.2330e-003
tblVehicleEF	LDT2	0.05	0.02
tblVehicleEF	LDT2	0.22	0.31
tblVehicleEF	LDT2	2.7920e-003	3.2700e-003
tblVehicleEF	LDT2	5.8700e-004	8.1300e-004
tblVehicleEF	LDT2	0.09	0.30
tblVehicleEF	LDT2	0.11	0.07
tblVehicleEF	LDT2	0.08	0.00
tblVehicleEF	LDT2	0.01	0.01

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT2	0.05	0.02
tblVehicleEF	LDT2	0.24	0.34
tblVehicleEF	LDT2	2.8500e-003	2.6200e-003
tblVehicleEF	LDT2	0.04	0.06
tblVehicleEF	LDT2	0.85	1.02
tblVehicleEF	LDT2	2.03	2.48
tblVehicleEF	LDT2	301.79	353.19
tblVehicleEF	LDT2	58.79	81.33
tblVehicleEF	LDT2	4.7400e-003	4.7480e-003
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.19	0.26
tblVehicleEF	LDT2	0.04	8.0340e-003
tblVehicleEF	LDT2	1.2190e-003	1.2010e-003
tblVehicleEF	LDT2	1.6200e-003	1.9310e-003
tblVehicleEF	LDT2	0.02	2.8120e-003
tblVehicleEF	LDT2	1.1220e-003	1.1040e-003
tblVehicleEF	LDT2	1.4900e-003	1.7750e-003
tblVehicleEF	LDT2	0.17	0.38
tblVehicleEF	LDT2	0.13	0.08
tblVehicleEF	LDT2	0.14	0.00
tblVehicleEF	LDT2	0.01	9.6820e-003
tblVehicleEF	LDT2	0.05	0.02
tblVehicleEF	LDT2	0.19	0.26
tblVehicleEF	LDT2	2.9860e-003	3.4910e-003
tblVehicleEF	LDT2	5.8200e-004	8.0400e-004
tblVehicleEF	LDT2	0.17	0.38
tblVehicleEF	LDT2	0.13	0.08
tblVehicleEF	LDT2	0.14	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.05	0.02
tblVehicleEF	LDT2	0.21	0.29
tblVehicleEF	LDT2	2.4030e-003	2.4520e-003
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.64	0.72
tblVehicleEF	LDT2	2.34	2.95
tblVehicleEF	LDT2	276.19	327.07
tblVehicleEF	LDT2	59.40	82.21
tblVehicleEF	LDT2	4.8280e-003	5.1750e-003
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.20	0.27
tblVehicleEF	LDT2	0.04	8.0340e-003
tblVehicleEF	LDT2	1.2190e-003	1.2010e-003
tblVehicleEF	LDT2	1.6200e-003	1.9310e-003
tblVehicleEF	LDT2	0.02	2.8120e-003
tblVehicleEF	LDT2	1.1220e-003	1.1040e-003
tblVehicleEF	LDT2	1.4900e-003	1.7750e-003
tblVehicleEF	LDT2	0.07	0.31
tblVehicleEF	LDT2	0.11	0.07
tblVehicleEF	LDT2	0.06	0.00
tblVehicleEF	LDT2	9.2730e-003	9.1700e-003
tblVehicleEF	LDT2	0.05	0.02
tblVehicleEF	LDT2	0.22	0.31
tblVehicleEF	LDT2	2.7320e-003	3.2330e-003
tblVehicleEF	LDT2	5.8800e-004	8.1300e-004
tblVehicleEF	LDT2	0.07	0.31
tblVehicleEF	LDT2	0.11	0.07

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT2	0.06	0.00
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.05	0.02
tblVehicleEF	LDT2	0.24	0.34
tblVehicleEF	LHD1	4.2850e-003	4.5140e-003
tblVehicleEF	LHD1	3.2600e-003	1.9150e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.17	0.18
tblVehicleEF	LHD1	0.44	0.48
tblVehicleEF	LHD1	0.83	1.73
tblVehicleEF	LHD1	9.02	8.92
tblVehicleEF	LHD1	594.54	316.95
tblVehicleEF	LHD1	9.70	14.68
tblVehicleEF	LHD1	8.6900e-004	8.0200e-004
tblVehicleEF	LHD1	0.04	4.1540e-003
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	0.93	0.07
tblVehicleEF	LHD1	0.25	0.35
tblVehicleEF	LHD1	1.0100e-003	9.0100e-004
tblVehicleEF	LHD1	0.08	0.04
tblVehicleEF	LHD1	0.01	4.4260e-003
tblVehicleEF	LHD1	8.1560e-003	6.0100e-004
tblVehicleEF	LHD1	1.9700e-004	1.6100e-004
tblVehicleEF	LHD1	9.6600e-004	8.6200e-004
tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	2.5110e-003	1.1060e-003
tblVehicleEF	LHD1	7.7850e-003	5.5300e-004
tblVehicleEF	LHD1	1.8100e-004	1.4800e-004

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD1	2.4640e-003	0.12
tblVehicleEF	LHD1	0.06	0.03
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.2690e-003	0.00
tblVehicleEF	LHD1	0.04	9.2130e-003
tblVehicleEF	LHD1	0.17	0.06
tblVehicleEF	LHD1	0.05	0.09
tblVehicleEF	LHD1	8.7000e-005	8.6000e-005
tblVehicleEF	LHD1	5.7810e-003	3.1330e-003
tblVehicleEF	LHD1	9.6000e-005	1.4500e-004
tblVehicleEF	LHD1	2.4640e-003	0.12
tblVehicleEF	LHD1	0.06	0.03
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.2690e-003	0.00
tblVehicleEF	LHD1	0.05	0.01
tblVehicleEF	LHD1	0.17	0.06
tblVehicleEF	LHD1	0.06	0.10
tblVehicleEF	LHD1	4.2960e-003	4.5310e-003
tblVehicleEF	LHD1	3.3020e-003	2.0830e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.17	0.18
tblVehicleEF	LHD1	0.44	0.14
tblVehicleEF	LHD1	0.80	1.64
tblVehicleEF	LHD1	9.02	8.92
tblVehicleEF	LHD1	594.54	216.88
tblVehicleEF	LHD1	9.63	14.53
tblVehicleEF	LHD1	8.7000e-004	8.0400e-004
tblVehicleEF	LHD1	0.04	0.03
tblVehicleEF	LHD1	0.02	0.03

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	0.88	0.67
tblVehicleEF	LHD1	0.24	0.34
tblVehicleEF	LHD1	1.0100e-003	9.0100e-004
tblVehicleEF	LHD1	0.08	0.04
tblVehicleEF	LHD1	0.01	5.4860e-003
tblVehicleEF	LHD1	8.1560e-003	0.01
tblVehicleEF	LHD1	1.9700e-004	1.6100e-004
tblVehicleEF	LHD1	9.6600e-004	8.6200e-004
tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	2.5110e-003	1.3720e-003
tblVehicleEF	LHD1	7.7850e-003	0.01
tblVehicleEF	LHD1	1.8100e-004	1.4800e-004
tblVehicleEF	LHD1	4.5870e-003	0.14
tblVehicleEF	LHD1	0.07	0.03
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.3790e-003	0.00
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.17	0.06
tblVehicleEF	LHD1	0.05	0.08
tblVehicleEF	LHD1	8.7000e-005	8.6000e-005
tblVehicleEF	LHD1	5.7810e-003	2.0550e-003
tblVehicleEF	LHD1	9.5000e-005	1.4400e-004
tblVehicleEF	LHD1	4.5870e-003	0.14
tblVehicleEF	LHD1	0.07	0.03
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.3790e-003	0.00
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.17	0.06

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD1	0.06	0.09
tblVehicleEF	LHD1	4.2840e-003	4.5170e-003
tblVehicleEF	LHD1	3.2550e-003	2.0830e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.17	0.18
tblVehicleEF	LHD1	0.44	0.14
tblVehicleEF	LHD1	0.84	1.72
tblVehicleEF	LHD1	9.02	8.92
tblVehicleEF	LHD1	594.53	216.88
tblVehicleEF	LHD1	9.71	14.66
tblVehicleEF	LHD1	8.6900e-004	8.0300e-004
tblVehicleEF	LHD1	0.04	0.03
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	0.92	0.70
tblVehicleEF	LHD1	0.25	0.35
tblVehicleEF	LHD1	1.0100e-003	9.0100e-004
tblVehicleEF	LHD1	0.08	0.04
tblVehicleEF	LHD1	0.01	5.4860e-003
tblVehicleEF	LHD1	8.1560e-003	0.01
tblVehicleEF	LHD1	1.9700e-004	1.6100e-004
tblVehicleEF	LHD1	9.6600e-004	8.6200e-004
tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	2.5110e-003	1.3720e-003
tblVehicleEF	LHD1	7.7850e-003	0.01
tblVehicleEF	LHD1	1.8100e-004	1.4800e-004
tblVehicleEF	LHD1	2.1280e-003	0.12
tblVehicleEF	LHD1	0.07	0.03
tblVehicleEF	LHD1	0.02	0.02

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD1	1.1510e-003	0.00
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.18	0.06
tblVehicleEF	LHD1	0.05	0.09
tblVehicleEF	LHD1	8.7000e-005	8.6000e-005
tblVehicleEF	LHD1	5.7810e-003	2.0550e-003
tblVehicleEF	LHD1	9.6000e-005	1.4500e-004
tblVehicleEF	LHD1	2.1280e-003	0.12
tblVehicleEF	LHD1	0.07	0.03
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.1510e-003	0.00
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.18	0.06
tblVehicleEF	LHD1	0.06	0.09
tblVehicleEF	LHD2	2.7640e-003	2.5080e-003
tblVehicleEF	LHD2	2.6030e-003	5.4400e-004
tblVehicleEF	LHD2	6.4920e-003	9.0070e-003
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.34	0.17
tblVehicleEF	LHD2	0.48	0.86
tblVehicleEF	LHD2	14.23	14.45
tblVehicleEF	LHD2	594.26	171.91
tblVehicleEF	LHD2	6.62	7.42
tblVehicleEF	LHD2	1.8460e-003	1.9070e-003
tblVehicleEF	LHD2	0.06	1.9320e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.10	0.11
tblVehicleEF	LHD2	1.05	0.03
tblVehicleEF	LHD2	0.16	0.18

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD2	1.4850e-003	1.5170e-003
tblVehicleEF	LHD2	0.09	0.02
tblVehicleEF	LHD2	0.01	2.1700e-003
tblVehicleEF	LHD2	0.01	2.5300e-004
tblVehicleEF	LHD2	9.9000e-005	6.2000e-005
tblVehicleEF	LHD2	1.4210e-003	1.4510e-003
tblVehicleEF	LHD2	0.04	8.4250e-003
tblVehicleEF	LHD2	2.7190e-003	5.4300e-004
tblVehicleEF	LHD2	0.01	2.3300e-004
tblVehicleEF	LHD2	9.1000e-005	5.7000e-005
tblVehicleEF	LHD2	1.3200e-003	0.06
tblVehicleEF	LHD2	0.03	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	7.1200e-004	0.00
tblVehicleEF	LHD2	0.04	2.3740e-003
tblVehicleEF	LHD2	0.08	0.02
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	1.3600e-004	1.3800e-004
tblVehicleEF	LHD2	5.7240e-003	1.7000e-003
tblVehicleEF	LHD2	6.6000e-005	7.3000e-005
tblVehicleEF	LHD2	1.3200e-003	0.06
tblVehicleEF	LHD2	0.03	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.1200e-004	0.00
tblVehicleEF	LHD2	0.05	3.4650e-003
tblVehicleEF	LHD2	0.08	0.02
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	2.7710e-003	2.5170e-003
tblVehicleEF	LHD2	2.6180e-003	3.0790e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD2	6.2730e-003	8.6680e-003
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.34	0.18
tblVehicleEF	LHD2	0.45	0.82
tblVehicleEF	LHD2	14.23	14.45
tblVehicleEF	LHD2	594.26	422.91
tblVehicleEF	LHD2	6.58	7.34
tblVehicleEF	LHD2	1.8470e-003	1.9080e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.10	0.11
tblVehicleEF	LHD2	0.99	0.85
tblVehicleEF	LHD2	0.15	0.17
tblVehicleEF	LHD2	1.4850e-003	1.5170e-003
tblVehicleEF	LHD2	0.09	0.07
tblVehicleEF	LHD2	0.01	8.8530e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	9.9000e-005	6.2000e-005
tblVehicleEF	LHD2	1.4210e-003	1.4510e-003
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	2.7190e-003	2.2130e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	9.1000e-005	5.7000e-005
tblVehicleEF	LHD2	2.4810e-003	0.07
tblVehicleEF	LHD2	0.04	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	1.3230e-003	0.00
tblVehicleEF	LHD2	0.04	0.07
tblVehicleEF	LHD2	0.08	0.03

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	1.3600e-004	1.3800e-004
tblVehicleEF	LHD2	5.7240e-003	4.0070e-003
tblVehicleEF	LHD2	6.5000e-005	7.3000e-005
tblVehicleEF	LHD2	2.4810e-003	0.07
tblVehicleEF	LHD2	0.04	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.3230e-003	0.00
tblVehicleEF	LHD2	0.05	0.08
tblVehicleEF	LHD2	0.08	0.03
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	2.7630e-003	2.5090e-003
tblVehicleEF	LHD2	2.5990e-003	3.0790e-003
tblVehicleEF	LHD2	6.5370e-003	8.9490e-003
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.34	0.18
tblVehicleEF	LHD2	0.48	0.86
tblVehicleEF	LHD2	14.23	14.45
tblVehicleEF	LHD2	594.26	422.91
tblVehicleEF	LHD2	6.63	7.41
tblVehicleEF	LHD2	1.8460e-003	1.9070e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.10	0.11
tblVehicleEF	LHD2	1.04	0.89
tblVehicleEF	LHD2	0.16	0.18
tblVehicleEF	LHD2	1.4850e-003	1.5170e-003
tblVehicleEF	LHD2	0.09	0.07
tblVehicleEF	LHD2	0.01	8.8530e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	9.9000e-005	6.2000e-005
tblVehicleEF	LHD2	1.4210e-003	1.4510e-003
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	2.7190e-003	2.2130e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	9.1000e-005	5.7000e-005
tblVehicleEF	LHD2	9.9900e-004	0.06
tblVehicleEF	LHD2	0.04	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	5.9700e-004	0.00
tblVehicleEF	LHD2	0.04	0.07
tblVehicleEF	LHD2	0.08	0.03
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	1.3600e-004	1.3800e-004
tblVehicleEF	LHD2	5.7240e-003	4.0070e-003
tblVehicleEF	LHD2	6.6000e-005	7.3000e-005
tblVehicleEF	LHD2	9.9900e-004	0.06
tblVehicleEF	LHD2	0.04	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	5.9700e-004	0.00
tblVehicleEF	LHD2	0.05	0.08
tblVehicleEF	LHD2	0.08	0.03
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	MCY	0.31	0.16
tblVehicleEF	MCY	0.24	0.17
tblVehicleEF	MCY	18.21	12.72
tblVehicleEF	MCY	8.64	7.70
tblVehicleEF	MCY	208.24	188.15

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MCY	59.22	46.82
tblVehicleEF	MCY	0.06	0.04
tblVehicleEF	MCY	0.01	7.5250e-003
tblVehicleEF	MCY	1.11	0.56
tblVehicleEF	MCY	0.26	0.13
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.9650e-003	1.8680e-003
tblVehicleEF	MCY	2.7270e-003	3.1930e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.8340e-003	1.7460e-003
tblVehicleEF	MCY	2.5560e-003	2.9950e-003
tblVehicleEF	MCY	1.68	2.49
tblVehicleEF	MCY	0.82	3.58
tblVehicleEF	MCY	0.90	0.00
tblVehicleEF	MCY	2.10	1.06
tblVehicleEF	MCY	0.46	1.33
tblVehicleEF	MCY	1.79	1.24
tblVehicleEF	MCY	2.0610e-003	1.8600e-003
tblVehicleEF	MCY	5.8600e-004	4.6300e-004
tblVehicleEF	MCY	1.68	2.49
tblVehicleEF	MCY	0.82	3.58
tblVehicleEF	MCY	0.90	0.00
tblVehicleEF	MCY	2.62	1.28
tblVehicleEF	MCY	0.46	1.33
tblVehicleEF	MCY	1.94	1.35
tblVehicleEF	MCY	0.31	0.16
tblVehicleEF	MCY	0.21	0.15
tblVehicleEF	MCY	18.86	12.86
tblVehicleEF	MCY	8.01	6.90

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MCY	209.23	188.36
tblVehicleEF	MCY	57.61	45.06
tblVehicleEF	MCY	0.06	0.04
tblVehicleEF	MCY	0.01	7.3800e-003
tblVehicleEF	MCY	0.97	0.49
tblVehicleEF	MCY	0.25	0.12
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.9650e-003	1.8680e-003
tblVehicleEF	MCY	2.7270e-003	3.1930e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.8340e-003	1.7460e-003
tblVehicleEF	MCY	2.5560e-003	2.9950e-003
tblVehicleEF	MCY	3.33	3.64
tblVehicleEF	MCY	1.23	3.76
tblVehicleEF	MCY	2.04	0.00
tblVehicleEF	MCY	2.09	1.05
tblVehicleEF	MCY	0.46	1.39
tblVehicleEF	MCY	1.60	1.09
tblVehicleEF	MCY	2.0710e-003	1.8620e-003
tblVehicleEF	MCY	5.7000e-004	4.4600e-004
tblVehicleEF	MCY	3.33	3.64
tblVehicleEF	MCY	1.23	3.76
tblVehicleEF	MCY	2.04	0.00
tblVehicleEF	MCY	2.60	1.27
tblVehicleEF	MCY	0.46	1.39
tblVehicleEF	MCY	1.74	1.19
tblVehicleEF	MCY	0.31	0.16
tblVehicleEF	MCY	0.24	0.17
tblVehicleEF	MCY	17.80	12.54

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tblVehicleEF	MCY	8.61	7.53
tblVehicleEF	MCY	207.58	187.84
tblVehicleEF	MCY	59.21	46.47
tblVehicleEF	MCY	0.06	0.04
tblVehicleEF	MCY	0.02	7.5190e-003
tblVehicleEF	MCY	1.11	0.54
tblVehicleEF	MCY	0.26	0.12
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.9650e-003	1.8680e-003
tblVehicleEF	MCY	2.7270e-003	3.1930e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.8340e-003	1.7460e-003
tblVehicleEF	MCY	2.5560e-003	2.9950e-003
tblVehicleEF	MCY	1.59	2.59
tblVehicleEF	MCY	1.00	3.60
tblVehicleEF	MCY	0.72	0.00
tblVehicleEF	MCY	2.10	1.05
tblVehicleEF	MCY	0.52	1.43
tblVehicleEF	MCY	1.79	1.21
tblVehicleEF	MCY	2.0540e-003	1.8570e-003
tblVehicleEF	MCY	5.8600e-004	4.5900e-004
tblVehicleEF	MCY	1.59	2.59
tblVehicleEF	MCY	1.00	3.60
tblVehicleEF	MCY	0.72	0.00
tblVehicleEF	MCY	2.61	1.27
tblVehicleEF	MCY	0.52	1.43
tblVehicleEF	MCY	1.95	1.32
tblVehicleEF	MDV	3.0610e-003	3.5140e-003
tblVehicleEF	MDV	0.06	0.09

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MDV	0.75	0.94
tblVehicleEF	MDV	2.53	3.36
tblVehicleEF	MDV	354.28	409.67
tblVehicleEF	MDV	73.99	101.49
tblVehicleEF	MDV	6.8880e-003	7.8940e-003
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.06	0.09
tblVehicleEF	MDV	0.25	0.37
tblVehicleEF	MDV	0.04	8.3400e-003
tblVehicleEF	MDV	1.2580e-003	1.3360e-003
tblVehicleEF	MDV	1.6330e-003	2.0170e-003
tblVehicleEF	MDV	0.02	2.9190e-003
tblVehicleEF	MDV	1.1600e-003	1.2330e-003
tblVehicleEF	MDV	1.5010e-003	1.8550e-003
tblVehicleEF	MDV	0.12	0.43
tblVehicleEF	MDV	0.14	0.10
tblVehicleEF	MDV	0.10	0.00
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.06	0.03
tblVehicleEF	MDV	0.28	0.43
tblVehicleEF	MDV	3.5020e-003	4.0470e-003
tblVehicleEF	MDV	7.3200e-004	1.0030e-003
tblVehicleEF	MDV	0.12	0.43
tblVehicleEF	MDV	0.14	0.10
tblVehicleEF	MDV	0.10	0.00
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.03
tblVehicleEF	MDV	0.30	0.47
tblVehicleEF	MDV	3.4860e-003	3.7310e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MDV	0.05	0.08
tblVehicleEF	MDV	0.92	1.25
tblVehicleEF	MDV	2.23	2.80
tblVehicleEF	MDV	374.80	432.81
tblVehicleEF	MDV	73.40	100.41
tblVehicleEF	MDV	6.6270e-003	7.1270e-003
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.24	0.34
tblVehicleEF	MDV	0.04	8.3400e-003
tblVehicleEF	MDV	1.2580e-003	1.3360e-003
tblVehicleEF	MDV	1.6330e-003	2.0170e-003
tblVehicleEF	MDV	0.02	2.9190e-003
tblVehicleEF	MDV	1.1600e-003	1.2330e-003
tblVehicleEF	MDV	1.5010e-003	1.8550e-003
tblVehicleEF	MDV	0.22	0.52
tblVehicleEF	MDV	0.16	0.11
tblVehicleEF	MDV	0.18	0.00
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.06	0.03
tblVehicleEF	MDV	0.24	0.37
tblVehicleEF	MDV	3.7050e-003	4.2760e-003
tblVehicleEF	MDV	7.2600e-004	9.9300e-004
tblVehicleEF	MDV	0.22	0.52
tblVehicleEF	MDV	0.16	0.11
tblVehicleEF	MDV	0.18	0.00
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.03
tblVehicleEF	MDV	0.27	0.40

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MDV	2.9380e-003	3.4900e-003
tblVehicleEF	MDV	0.06	0.09
tblVehicleEF	MDV	0.70	0.88
tblVehicleEF	MDV	2.59	3.33
tblVehicleEF	MDV	348.03	405.76
tblVehicleEF	MDV	74.10	101.46
tblVehicleEF	MDV	6.7340e-003	7.6980e-003
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.25	0.37
tblVehicleEF	MDV	0.04	8.3400e-003
tblVehicleEF	MDV	1.2580e-003	1.3360e-003
tblVehicleEF	MDV	1.6330e-003	2.0170e-003
tblVehicleEF	MDV	0.02	2.9190e-003
tblVehicleEF	MDV	1.1600e-003	1.2330e-003
tblVehicleEF	MDV	1.5010e-003	1.8550e-003
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.15	0.10
tblVehicleEF	MDV	0.09	0.00
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.07	0.03
tblVehicleEF	MDV	0.28	0.43
tblVehicleEF	MDV	3.4400e-003	4.0090e-003
tblVehicleEF	MDV	7.3300e-004	1.0030e-003
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.15	0.10
tblVehicleEF	MDV	0.09	0.00
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.07	0.03

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MDV	0.31	0.47
tblVehicleEF	MH	6.2700e-003	6.6450e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	0.69	0.72
tblVehicleEF	MH	1.72	2.05
tblVehicleEF	MH	1,362.78	1,515.66
tblVehicleEF	MH	16.59	21.02
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.39	1.46
tblVehicleEF	MH	0.23	0.30
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.0100e-004	2.3400e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.3180e-003	3.3130e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	1.8500e-004	2.1500e-004
tblVehicleEF	MH	0.92	32.51
tblVehicleEF	MH	0.05	7.39
tblVehicleEF	MH	0.35	0.00
tblVehicleEF	MH	0.04	0.05
tblVehicleEF	MH	0.01	2.0590e-003
tblVehicleEF	MH	0.08	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	1.6400e-004	2.0800e-004
tblVehicleEF	MH	0.92	32.51
tblVehicleEF	MH	0.05	7.39

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MH	0.35	0.00
tblVehicleEF	MH	0.05	0.06
tblVehicleEF	MH	0.01	2.0590e-003
tblVehicleEF	MH	0.09	0.11
tblVehicleEF	MH	6.3920e-003	6.7810e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.71	0.74
tblVehicleEF	MH	1.60	1.91
tblVehicleEF	MH	1,362.80	1,515.69
tblVehicleEF	MH	16.40	20.78
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.30	1.37
tblVehicleEF	MH	0.22	0.29
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.0100e-004	2.3400e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.3180e-003	3.3130e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	1.8500e-004	2.1500e-004
tblVehicleEF	MH	1.67	40.27
tblVehicleEF	MH	0.06	7.97
tblVehicleEF	MH	0.67	0.00
tblVehicleEF	MH	0.04	0.05
tblVehicleEF	MH	0.01	2.1260e-003
tblVehicleEF	MH	0.08	0.09
tblVehicleEF	MH	0.01	0.01

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MH	1.6200e-004	2.0500e-004
tblVehicleEF	MH	1.67	40.27
tblVehicleEF	MH	0.06	7.97
tblVehicleEF	MH	0.67	0.00
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.01	2.1260e-003
tblVehicleEF	MH	0.08	0.10
tblVehicleEF	MH	6.2570e-003	6.6560e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.69	0.72
tblVehicleEF	MH	1.73	2.05
tblVehicleEF	MH	1,362.78	1,515.66
tblVehicleEF	MH	16.61	21.01
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.38	1.44
tblVehicleEF	MH	0.23	0.30
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.0100e-004	2.3400e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.3180e-003	3.3130e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	1.8500e-004	2.1500e-004
tblVehicleEF	MH	0.87	32.67
tblVehicleEF	MH	0.06	7.39
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	0.04	0.05

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MH	0.01	2.1050e-003
tblVehicleEF	MH	0.08	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	1.6400e-004	2.0800e-004
tblVehicleEF	MH	0.87	32.67
tblVehicleEF	MH	0.06	7.39
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	0.05	0.06
tblVehicleEF	MH	0.01	2.1050e-003
tblVehicleEF	MH	0.09	0.11
tblVehicleEF	MHD	3.2690e-003	0.02
tblVehicleEF	MHD	9.7500e-004	6.8800e-003
tblVehicleEF	MHD	7.7720e-003	5.4780e-003
tblVehicleEF	MHD	0.35	0.66
tblVehicleEF	MHD	0.13	0.14
tblVehicleEF	MHD	0.84	0.62
tblVehicleEF	MHD	64.48	165.28
tblVehicleEF	MHD	900.30	1,088.35
tblVehicleEF	MHD	7.99	5.64
tblVehicleEF	MHD	9.3230e-003	0.03
tblVehicleEF	MHD	0.12	0.15
tblVehicleEF	MHD	6.4790e-003	3.9890e-003
tblVehicleEF	MHD	0.35	0.86
tblVehicleEF	MHD	0.88	0.67
tblVehicleEF	MHD	1.74	1.49
tblVehicleEF	MHD	2.6600e-004	1.1960e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	9.4320e-003	8.6070e-003
tblVehicleEF	MHD	9.2000e-005	6.1000e-005

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MHD	2.5400e-004	1.1440e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	9.0210e-003	8.2320e-003
tblVehicleEF	MHD	8.5000e-005	5.6000e-005
tblVehicleEF	MHD	5.5300e-004	0.02
tblVehicleEF	MHD	0.02	3.9230e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.9600e-004	0.00
tblVehicleEF	MHD	9.6690e-003	0.01
tblVehicleEF	MHD	0.01	9.6690e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.1200e-004	1.5180e-003
tblVehicleEF	MHD	8.5800e-003	0.01
tblVehicleEF	MHD	7.9000e-005	5.6000e-005
tblVehicleEF	MHD	5.5300e-004	0.02
tblVehicleEF	MHD	0.02	3.9230e-003
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	2.9600e-004	0.00
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.01	9.6690e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	3.1120e-003	0.02
tblVehicleEF	MHD	9.8800e-004	6.8950e-003
tblVehicleEF	MHD	7.5230e-003	5.2660e-003
tblVehicleEF	MHD	0.31	0.62
tblVehicleEF	MHD	0.13	0.14
tblVehicleEF	MHD	0.80	0.59
tblVehicleEF	MHD	64.28	163.79
tblVehicleEF	MHD	900.30	1,088.35

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MHD	7.92	5.58
tblVehicleEF	MHD	9.2600e-003	0.03
tblVehicleEF	MHD	0.12	0.15
tblVehicleEF	MHD	6.4040e-003	3.9140e-003
tblVehicleEF	MHD	0.34	0.83
tblVehicleEF	MHD	0.83	0.63
tblVehicleEF	MHD	1.74	1.48
tblVehicleEF	MHD	2.2700e-004	1.0200e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	9.4320e-003	8.6070e-003
tblVehicleEF	MHD	9.2000e-005	6.1000e-005
tblVehicleEF	MHD	2.1700e-004	9.7500e-004
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	9.0210e-003	8.2320e-003
tblVehicleEF	MHD	8.5000e-005	5.6000e-005
tblVehicleEF	MHD	1.0540e-003	0.02
tblVehicleEF	MHD	0.02	4.2250e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	5.5900e-004	0.00
tblVehicleEF	MHD	9.7230e-003	0.01
tblVehicleEF	MHD	0.02	9.9910e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.1000e-004	1.5040e-003
tblVehicleEF	MHD	8.5800e-003	0.01
tblVehicleEF	MHD	7.8000e-005	5.5000e-005
tblVehicleEF	MHD	1.0540e-003	0.02
tblVehicleEF	MHD	0.02	4.2250e-003
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	5.5900e-004	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.02	9.9910e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	3.4970e-003	0.02
tblVehicleEF	MHD	9.6400e-004	6.8810e-003
tblVehicleEF	MHD	7.8420e-003	5.4280e-003
tblVehicleEF	MHD	0.42	0.72
tblVehicleEF	MHD	0.13	0.14
tblVehicleEF	MHD	0.85	0.62
tblVehicleEF	MHD	64.75	167.33
tblVehicleEF	MHD	900.29	1,088.35
tblVehicleEF	MHD	8.01	5.63
tblVehicleEF	MHD	9.4140e-003	0.03
tblVehicleEF	MHD	0.12	0.15
tblVehicleEF	MHD	6.5240e-003	3.9650e-003
tblVehicleEF	MHD	0.37	0.90
tblVehicleEF	MHD	0.87	0.65
tblVehicleEF	MHD	1.74	1.48
tblVehicleEF	MHD	3.1900e-004	1.4400e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	9.4320e-003	8.6070e-003
tblVehicleEF	MHD	9.2000e-005	6.1000e-005
tblVehicleEF	MHD	3.0500e-004	1.3770e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	9.0210e-003	8.2320e-003
tblVehicleEF	MHD	8.5000e-005	5.6000e-005
tblVehicleEF	MHD	3.9400e-004	0.02
tblVehicleEF	MHD	0.02	3.9230e-003
tblVehicleEF	MHD	0.02	0.02

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MHD	2.3300e-004	0.00
tblVehicleEF	MHD	9.6260e-003	0.01
tblVehicleEF	MHD	0.02	9.8710e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.1400e-004	1.5370e-003
tblVehicleEF	MHD	8.5800e-003	0.01
tblVehicleEF	MHD	7.9000e-005	5.6000e-005
tblVehicleEF	MHD	3.9400e-004	0.02
tblVehicleEF	MHD	0.02	3.9230e-003
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	2.3300e-004	0.00
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.02	9.8710e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	OBUS	8.4050e-003	0.02
tblVehicleEF	OBUS	3.3940e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.52	0.51
tblVehicleEF	OBUS	0.41	0.67
tblVehicleEF	OBUS	2.22	2.58
tblVehicleEF	OBUS	71.13	70.55
tblVehicleEF	OBUS	1,246.29	1,346.11
tblVehicleEF	OBUS	18.79	21.62
tblVehicleEF	OBUS	9.2540e-003	9.4290e-003
tblVehicleEF	OBUS	0.09	0.12
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.27	0.26
tblVehicleEF	OBUS	0.78	1.00
tblVehicleEF	OBUS	0.78	0.69

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	OBUS	9.1000e-005	4.5000e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	8.2900e-003	0.02
tblVehicleEF	OBUS	2.0200e-004	1.8500e-004
tblVehicleEF	OBUS	8.7000e-005	4.3000e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	7.9170e-003	0.02
tblVehicleEF	OBUS	1.8600e-004	1.7000e-004
tblVehicleEF	OBUS	2.5200e-003	0.13
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	1.1050e-003	0.00
tblVehicleEF	OBUS	0.02	0.05
tblVehicleEF	OBUS	0.08	0.05
tblVehicleEF	OBUS	0.11	0.13
tblVehicleEF	OBUS	6.7800e-004	6.2900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	1.8600e-004	2.1400e-004
tblVehicleEF	OBUS	2.5200e-003	0.13
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.06	0.08
tblVehicleEF	OBUS	1.1050e-003	0.00
tblVehicleEF	OBUS	0.03	0.09
tblVehicleEF	OBUS	0.08	0.05
tblVehicleEF	OBUS	0.12	0.14
tblVehicleEF	OBUS	8.4810e-003	0.02
tblVehicleEF	OBUS	3.4670e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.52	0.50

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	OBUS	0.41	0.68
tblVehicleEF	OBUS	2.08	2.40
tblVehicleEF	OBUS	70.35	70.02
tblVehicleEF	OBUS	1,246.30	1,346.13
tblVehicleEF	OBUS	18.55	21.31
tblVehicleEF	OBUS	9.1360e-003	9.3490e-003
tblVehicleEF	OBUS	0.09	0.12
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.26	0.25
tblVehicleEF	OBUS	0.73	0.93
tblVehicleEF	OBUS	0.77	0.68
tblVehicleEF	OBUS	8.1000e-005	3.8600e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	8.2900e-003	0.02
tblVehicleEF	OBUS	2.0200e-004	1.8500e-004
tblVehicleEF	OBUS	7.7000e-005	3.6900e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	7.9170e-003	0.02
tblVehicleEF	OBUS	1.8600e-004	1.7000e-004
tblVehicleEF	OBUS	4.5960e-003	0.17
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	2.0760e-003	0.00
tblVehicleEF	OBUS	0.02	0.05
tblVehicleEF	OBUS	0.08	0.05
tblVehicleEF	OBUS	0.10	0.12
tblVehicleEF	OBUS	6.7100e-004	6.2400e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	1.8400e-004	2.1100e-004

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	OBUS	4.5960e-003	0.17
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.06	0.08
tblVehicleEF	OBUS	2.0760e-003	0.00
tblVehicleEF	OBUS	0.03	0.09
tblVehicleEF	OBUS	0.08	0.05
tblVehicleEF	OBUS	0.11	0.13
tblVehicleEF	OBUS	8.3290e-003	0.02
tblVehicleEF	OBUS	3.3710e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.53	0.52
tblVehicleEF	OBUS	0.40	0.67
tblVehicleEF	OBUS	2.24	2.57
tblVehicleEF	OBUS	72.21	71.30
tblVehicleEF	OBUS	1,246.29	1,346.11
tblVehicleEF	OBUS	18.83	21.60
tblVehicleEF	OBUS	9.4230e-003	9.5470e-003
tblVehicleEF	OBUS	0.09	0.12
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.29	0.27
tblVehicleEF	OBUS	0.78	0.98
tblVehicleEF	OBUS	0.78	0.68
tblVehicleEF	OBUS	1.0500e-004	5.3900e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	8.2900e-003	0.02
tblVehicleEF	OBUS	2.0200e-004	1.8500e-004
tblVehicleEF	OBUS	1.0000e-004	5.1500e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	7.9170e-003	0.02

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	OBUS	1.8600e-004	1.7000e-004
tblVehicleEF	OBUS	2.2040e-003	0.14
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	1.0340e-003	0.00
tblVehicleEF	OBUS	0.02	0.05
tblVehicleEF	OBUS	0.08	0.05
tblVehicleEF	OBUS	0.11	0.13
tblVehicleEF	OBUS	6.8800e-004	6.3600e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	1.8600e-004	2.1400e-004
tblVehicleEF	OBUS	2.2040e-003	0.14
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	1.0340e-003	0.00
tblVehicleEF	OBUS	0.03	0.09
tblVehicleEF	OBUS	0.08	0.05
tblVehicleEF	OBUS	0.12	0.14
tblVehicleEF	SBUS	0.08	0.51
tblVehicleEF	SBUS	5.5200e-003	1.36
tblVehicleEF	SBUS	7.3930e-003	7.7090e-003
tblVehicleEF	SBUS	3.25	3.05
tblVehicleEF	SBUS	0.45	5.22
tblVehicleEF	SBUS	0.94	0.98
tblVehicleEF	SBUS	354.78	271.75
tblVehicleEF	SBUS	1,057.65	1,223.93
tblVehicleEF	SBUS	6.15	6.23
tblVehicleEF	SBUS	0.05	0.04
tblVehicleEF	SBUS	0.13	0.16

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	SBUS	7.4230e-003	7.2280e-003
tblVehicleEF	SBUS	3.05	1.19
tblVehicleEF	SBUS	3.89	2.35
tblVehicleEF	SBUS	0.98	0.17
tblVehicleEF	SBUS	2.7150e-003	1.4160e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	2.5970e-003	1.3400e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.6480e-003	2.5540e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	4.6000e-005	4.7000e-005
tblVehicleEF	SBUS	1.7830e-003	0.08
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.37	0.30
tblVehicleEF	SBUS	8.7100e-004	0.00
tblVehicleEF	SBUS	0.08	0.08
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.3900e-003	1.4080e-003
tblVehicleEF	SBUS	0.01	7.0020e-003
tblVehicleEF	SBUS	6.1000e-005	6.2000e-005
tblVehicleEF	SBUS	1.7830e-003	0.08
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.54	0.89
tblVehicleEF	SBUS	8.7100e-004	0.00
tblVehicleEF	SBUS	0.09	1.46
tblVehicleEF	SBUS	0.02	0.02

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	0.08	0.51
tblVehicleEF	SBUS	5.5830e-003	1.36
tblVehicleEF	SBUS	6.2000e-003	6.4280e-003
tblVehicleEF	SBUS	3.22	3.04
tblVehicleEF	SBUS	0.46	5.23
tblVehicleEF	SBUS	0.68	0.70
tblVehicleEF	SBUS	362.08	274.92
tblVehicleEF	SBUS	1,057.66	1,223.95
tblVehicleEF	SBUS	5.72	5.76
tblVehicleEF	SBUS	0.05	0.04
tblVehicleEF	SBUS	0.12	0.16
tblVehicleEF	SBUS	7.1800e-003	6.9590e-003
tblVehicleEF	SBUS	3.11	1.22
tblVehicleEF	SBUS	3.66	2.20
tblVehicleEF	SBUS	0.97	0.17
tblVehicleEF	SBUS	2.2970e-003	1.2590e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	2.1970e-003	1.1900e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.6480e-003	2.5540e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	4.6000e-005	4.7000e-005
tblVehicleEF	SBUS	3.2020e-003	0.10
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.37	0.30
tblVehicleEF	SBUS	1.5880e-003	0.00

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	SBUS	0.08	0.08
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4590e-003	1.4380e-003
tblVehicleEF	SBUS	0.01	7.0020e-003
tblVehicleEF	SBUS	3.2020e-003	0.10
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.54	0.89
tblVehicleEF	SBUS	1.5880e-003	0.00
tblVehicleEF	SBUS	0.09	1.46
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	0.08	0.51
tblVehicleEF	SBUS	5.5110e-003	1.36
tblVehicleEF	SBUS	7.6670e-003	7.8450e-003
tblVehicleEF	SBUS	3.29	3.07
tblVehicleEF	SBUS	0.45	5.22
tblVehicleEF	SBUS	0.99	1.00
tblVehicleEF	SBUS	344.70	267.36
tblVehicleEF	SBUS	1,057.65	1,223.93
tblVehicleEF	SBUS	6.23	6.27
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	0.13	0.16
tblVehicleEF	SBUS	7.5280e-003	7.2910e-003
tblVehicleEF	SBUS	2.97	1.15
tblVehicleEF	SBUS	3.86	2.31
tblVehicleEF	SBUS	0.98	0.17
tblVehicleEF	SBUS	3.2920e-003	1.6330e-003
tblVehicleEF	SBUS	0.74	0.05

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	3.1500e-003	1.5470e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.6480e-003	2.5540e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	4.6000e-005	4.7000e-005
tblVehicleEF	SBUS	1.5040e-003	0.08
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.37	0.30
tblVehicleEF	SBUS	8.3300e-004	0.00
tblVehicleEF	SBUS	0.08	0.08
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.04	0.05
tblVehicleEF	SBUS	3.2950e-003	1.3660e-003
tblVehicleEF	SBUS	0.01	7.0020e-003
tblVehicleEF	SBUS	1.5040e-003	0.08
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.54	0.89
tblVehicleEF	SBUS	8.3300e-004	0.00
tblVehicleEF	SBUS	0.09	1.46
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	UBUS	3.36	0.93
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	26.11	16.50
tblVehicleEF	UBUS	1.44	2.81
tblVehicleEF	UBUS	1,572.01	1,771.46
tblVehicleEF	UBUS	16.65	27.13

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	UBUS	0.23	0.25
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.31	0.48
tblVehicleEF	UBUS	0.15	0.27
tblVehicleEF	UBUS	0.09	0.11
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	2.8020e-003	6.5900e-004
tblVehicleEF	UBUS	2.1900e-004	1.9200e-004
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	5.4780e-003	5.8730e-003
tblVehicleEF	UBUS	2.6610e-003	6.1000e-004
tblVehicleEF	UBUS	2.0200e-004	1.7600e-004
tblVehicleEF	UBUS	1.0760e-003	0.06
tblVehicleEF	UBUS	7.9910e-003	0.02
tblVehicleEF	UBUS	6.3100e-004	0.00
tblVehicleEF	UBUS	0.05	0.02
tblVehicleEF	UBUS	8.6200e-004	1.2520e-003
tblVehicleEF	UBUS	0.07	0.14
tblVehicleEF	UBUS	4.4660e-003	5.5490e-003
tblVehicleEF	UBUS	1.6500e-004	2.6800e-004
tblVehicleEF	UBUS	1.0760e-003	0.06
tblVehicleEF	UBUS	7.9910e-003	0.02
tblVehicleEF	UBUS	6.3100e-004	0.00
tblVehicleEF	UBUS	3.43	0.95
tblVehicleEF	UBUS	8.6200e-004	1.2520e-003
tblVehicleEF	UBUS	0.07	0.15
tblVehicleEF	UBUS	3.36	0.93
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	26.11	16.50

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	UBUS	1.22	2.39
tblVehicleEF	UBUS	1,572.01	1,771.46
tblVehicleEF	UBUS	16.28	26.42
tblVehicleEF	UBUS	0.23	0.25
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.30	0.47
tblVehicleEF	UBUS	0.15	0.25
tblVehicleEF	UBUS	0.09	0.11
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	2.8020e-003	6.5900e-004
tblVehicleEF	UBUS	2.1900e-004	1.9200e-004
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	5.4780e-003	5.8730e-003
tblVehicleEF	UBUS	2.6610e-003	6.1000e-004
tblVehicleEF	UBUS	2.0200e-004	1.7600e-004
tblVehicleEF	UBUS	1.9350e-003	0.09
tblVehicleEF	UBUS	9.6880e-003	0.02
tblVehicleEF	UBUS	1.3100e-003	0.00
tblVehicleEF	UBUS	0.05	0.02
tblVehicleEF	UBUS	8.3800e-004	1.3110e-003
tblVehicleEF	UBUS	0.06	0.13
tblVehicleEF	UBUS	4.4660e-003	5.5490e-003
tblVehicleEF	UBUS	1.6100e-004	2.6100e-004
tblVehicleEF	UBUS	1.9350e-003	0.09
tblVehicleEF	UBUS	9.6880e-003	0.02
tblVehicleEF	UBUS	1.3100e-003	0.00
tblVehicleEF	UBUS	3.43	0.95
tblVehicleEF	UBUS	8.3800e-004	1.3110e-003
tblVehicleEF	UBUS	0.07	0.14

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	UBUS	3.36	0.93
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	26.11	16.50
tblVehicleEF	UBUS	1.43	2.79
tblVehicleEF	UBUS	1,572.01	1,771.46
tblVehicleEF	UBUS	16.63	27.10
tblVehicleEF	UBUS	0.23	0.25
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.30	0.47
tblVehicleEF	UBUS	0.15	0.26
tblVehicleEF	UBUS	0.09	0.11
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	2.8020e-003	6.5900e-004
tblVehicleEF	UBUS	2.1900e-004	1.9200e-004
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	5.4780e-003	5.8730e-003
tblVehicleEF	UBUS	2.6610e-003	6.1000e-004
tblVehicleEF	UBUS	2.0200e-004	1.7600e-004
tblVehicleEF	UBUS	1.1530e-003	0.07
tblVehicleEF	UBUS	9.2230e-003	0.02
tblVehicleEF	UBUS	6.7300e-004	0.00
tblVehicleEF	UBUS	0.05	0.02
tblVehicleEF	UBUS	9.9400e-004	1.2930e-003
tblVehicleEF	UBUS	0.07	0.14
tblVehicleEF	UBUS	4.4660e-003	5.5490e-003
tblVehicleEF	UBUS	1.6500e-004	2.6800e-004
tblVehicleEF	UBUS	1.1530e-003	0.07
tblVehicleEF	UBUS	9.2230e-003	0.02
tblVehicleEF	UBUS	6.7300e-004	0.00

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	UBUS	3.43	0.95
tblVehicleEF	UBUS	9.9400e-004	1.2930e-003
tblVehicleEF	UBUS	0.07	0.15
tblVehicleTrips	ST_TR	4.91	4.54
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.21	10.87
tblVehicleTrips	ST_TR	8.19	7.99
tblVehicleTrips	ST_TR	42.04	36.50
tblVehicleTrips	SU_TR	4.09	4.54
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	0.70	10.87
tblVehicleTrips	SU_TR	5.95	7.99
tblVehicleTrips	SU_TR	20.43	36.50
tblVehicleTrips	WD_TR	5.44	4.54
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	9.74	10.87
tblVehicleTrips	WD_TR	8.36	7.99
tblVehicleTrips	WD_TR	44.32	36.50
tblWoodstoves	NumberCatalytic	81.35	0.00
tblWoodstoves	NumberNoncatalytic	81.35	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	54.4366	1.5460	134.2458	7.1000e-003		0.7446	0.7446		0.7446	0.7446	0.0000	242.0028	242.0028	0.2323	0.0000	247.8092
Energy	1.3878	12.2388	7.8319	0.0757		0.9588	0.9588		0.9588	0.9588		15,139.1101	15,139.1101	0.2902	0.2776	15,229.0742
Mobile	35.4405	22.0522	343.8748	0.6552	65.4130	0.3759	65.7889	16.2457	0.3489	16.5946		66,346.4488	66,346.4488	3.0622	2.0943	67,047.0898
Total	91.2648	35.8370	485.9525	0.7380	65.4130	2.0793	67.4923	16.2457	2.0523	18.2980	0.0000	81,727.5617	81,727.5617	3.5846	2.3718	82,523.9732

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	52.5232	1.2269	101.9980	4.6100e-003		0.5551	0.5551		0.5551	0.5551	0.0000	169.2926	169.2926	0.1215	0.0000	172.3312
Energy	1.1795	10.3892	6.5626	0.0643		0.8149	0.8149		0.8149	0.8149		12,867.0221	12,867.0221	0.2466	0.2359	12,943.4844
Mobile	30.5101	13.2143	189.4949	0.3063	29.6521	0.1968	29.8489	7.3643	0.1825	7.5468		31,020.1380	31,020.1380	2.1947	1.3516	31,477.7910
Total	84.2128	24.8304	298.0555	0.3753	29.6521	1.5668	31.2189	7.3643	1.5525	8.9167	0.0000	44,056.4526	44,056.4526	2.5629	1.5875	44,593.6066

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	7.73	30.71	38.67	49.15	54.67	24.65	53.74	54.67	24.35	51.27	0.00	46.09	46.09	28.50	33.07	45.96

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	3/14/2022	3/14/2022	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 9.48

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45

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
Building Construction	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.1 Mitigation Measures Construction

3.2 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	0.0000	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

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	0.0000
Vendor	0.0000	0.0000	0.0000	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
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

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Construction - 2022

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	0.0000	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

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	0.0000
Vendor	0.0000	0.0000	0.0000	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
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

4.0 Operational Detail - Mobile

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.1 Mitigation Measures Mobile

- Increase Density
- Increase Transit Accessibility
- Improve Pedestrian Network
- Implement Trip Reduction Program
- Employee Vanpool/Shuttle
- Provide Riade Sharing Program

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	30.5101	13.2143	189.4949	0.3063	29.6521	0.1968	29.8489	7.3643	0.1825	7.5468		31,020.1380	31,020.1380	2.1947	1.3516	31,477.7910
Unmitigated	35.4405	22.0522	343.8748	0.6552	65.4130	0.3759	65.7889	16.2457	0.3489	16.5946		66,346.4488	66,346.4488	3.0622	2.0943	67,047.0898

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	7,390.00	7,390.00	7390.00	25,252,753	11,675,106
City Park	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	652.00	652.00	652.00	2,100,393	895,784
Hotel	2,158.00	2,158.00	2158.00	5,149,357	2,204,150
Strip Mall	876.00	876.00	876.00	1,666,673	714,041
Total	11,076.00	11,076.00	11,076.00	34,169,176	15,489,082

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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	14.70	5.90	8.70	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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.550222	0.063995	0.181756	0.141347	0.031986	0.000000	0.000000	0.000000	0.000000	0.000000	0.030695	0.000000	0.000000
City Park	0.550222	0.063995	0.181756	0.141347	0.031986	0.000000	0.000000	0.000000	0.000000	0.000000	0.030695	0.000000	0.000000
Enclosed Parking with Elevator	0.550222	0.063995	0.181756	0.141347	0.031986	0.000000	0.000000	0.000000	0.000000	0.000000	0.030695	0.000000	0.000000
General Office Building	0.550222	0.063995	0.181756	0.141347	0.031986	0.000000	0.000000	0.000000	0.000000	0.000000	0.030695	0.000000	0.000000
Hotel	0.550222	0.063995	0.181756	0.141347	0.031986	0.000000	0.000000	0.000000	0.000000	0.000000	0.030695	0.000000	0.000000
Strip Mall	0.550222	0.063995	0.181756	0.141347	0.031986	0.000000	0.000000	0.000000	0.000000	0.000000	0.030695	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Natural Gas Mitigated	1.1795	10.3892	6.5626	0.0643		0.8149	0.8149		0.8149	0.8149		12,867.0221	12,867.0221	0.2466	0.2359	12,943.4844
Natural Gas Unmitigated	1.3878	12.2388	7.8319	0.0757		0.9588	0.9588		0.9588	0.9588		15,139.1101	15,139.1101	0.2902	0.2776	15,229.0742

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	64109	0.6914	5.9081	2.5141	0.0377		0.4777	0.4777		0.4777	0.4777		7,542.2371	7,542.2371	0.1446	0.1383	7,587.0568
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
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
General Office Building	563.836	6.0800e-003	0.0553	0.0464	3.3000e-004		4.2000e-003	4.2000e-003		4.2000e-003	4.2000e-003		66.3336	66.3336	1.2700e-003	1.2200e-003	66.7278
Hotel	63864.9	0.6887	6.2613	5.2595	0.0376		0.4759	0.4759		0.4759	0.4759		7,513.5208	7,513.5208	0.1440	0.1378	7,558.1699
Strip Mall	144.658	1.5600e-003	0.0142	0.0119	9.0000e-005		1.0800e-003	1.0800e-003		1.0800e-003	1.0800e-003		17.0185	17.0185	3.3000e-004	3.1000e-004	17.1197
Total		1.3878	12.2388	7.8319	0.0757		0.9588	0.9588		0.9588	0.9588		15,139.1101	15,139.1101	0.2902	0.2776	15,229.0742

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

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	56.663	0.6111	5.2219	2.2221	0.0333		0.4222	0.4222		0.4222	0.4222		6,666.2351	6,666.2351	0.1278	0.1222	6,705.8492
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
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
General Office Building	0.451068	4.8600e-003	0.0442	0.0372	2.7000e-004		3.3600e-003	3.3600e-003		3.3600e-003	3.3600e-003		53.0669	53.0669	1.0200e-003	9.7000e-004	53.3822
Hotel	52.1359	0.5623	5.1114	4.2936	0.0307		0.3885	0.3885		0.3885	0.3885		6,133.6411	6,133.6411	0.1176	0.1125	6,170.0903
Strip Mall	0.119671	1.2900e-003	0.0117	9.8600e-003	7.0000e-005		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004		14.0790	14.0790	2.7000e-004	2.6000e-004	14.1626
Total		1.1795	10.3892	6.5626	0.0643		0.8149	0.8149		0.8149	0.8149		12,867.0221	12,867.0221	0.2466	0.2359	12,943.4844

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Electric Lawnmower
- Use Electric Leafblower
- Use Electric Chainsaw
- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

No Hearths Installed

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	52.5232	1.2269	101.9980	4.6100e-003		0.5551	0.5551		0.5551	0.5551	0.0000	169.2926	169.2926	0.1215	0.0000	172.3312
Unmitigated	54.4366	1.5460	134.2458	7.1000e-003		0.7446	0.7446		0.7446	0.7446	0.0000	242.0028	242.0028	0.2323	0.0000	247.8092

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	3.8384					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	46.5586					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	4.0396	1.5460	134.2458	7.1000e-003		0.7446	0.7446		0.7446	0.7446		242.0028	242.0028	0.2323		247.8092
Total	54.4365	1.5460	134.2458	7.1000e-003		0.7446	0.7446		0.7446	0.7446	0.0000	242.0028	242.0028	0.2323	0.0000	247.8092

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

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	3.8224					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	46.5586					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	2.1422	1.2269	101.9980	4.6100e-003		0.5551	0.5551		0.5551	0.5551		169.2926	169.2926	0.1215		172.3312
Total	52.5232	1.2269	101.9980	4.6100e-003		0.5551	0.5551		0.5551	0.5551	0.0000	169.2926	169.2926	0.1215	0.0000	172.3312

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Moreno Valley Redevelopment Project - Operations Mitigated

Riverside-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	60.00	1000sqft	1.38	60,000.00	0
Enclosed Parking with Elevator	1,053.00	Space	9.48	421,200.00	0
City Park	1.48	Acre	1.48	64,263.98	0
Hotel	270.00	Room	9.00	392,040.00	0
Apartments Mid Rise	1,627.00	Dwelling Unit	42.82	1,867,700.00	4653
Strip Mall	24.00	1000sqft	0.55	24,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2026
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - multi-family square feet based on site plan, other land uses conservatively use default settings which are higher, landscape area shown as park,

Construction Phase - Operations only Model, no construction

Off-road Equipment - operations only, no construction

Trips and VMT - Operations only Model, no construction

Vehicle Trips - residential trip rate $7,390/1,627 = 4.542102028272895$, Hotel rate $2158/270 = 7.992592592592593$, office rate $652/60 = 10.866666666666667$, mall addition $876/24 = 36.5$,

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Vehicle Emission Factors - EMFAC 2021 - Riverside County (SC)2026

Vehicle Emission Factors - EMFAC 2021 - Riverside County (SC)2026

Vehicle Emission Factors - EMFAC 2021 - Riverside County (SC)2026

Woodstoves - no wood burning per SCAQMD Rule 445

Mobile Land Use Mitigation - DU acres 583 Jobs acres 414

Area Mitigation - Area source mitigation

Water Mitigation -

Fleet Mix - modified fleet mix based on traffic study

Area Coating - area mitigation

Mobile Commute Mitigation - TDM Mitigation

Energy Mitigation - Energy Mitigation

Waste Mitigation - Recycling mitigation

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstructionPhase	NumDays	1,110.00	1.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberWood	81.35	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.54	0.55
tblFleetMix	LDA	0.54	0.55
tblFleetMix	LDA	0.54	0.55
tblFleetMix	LDA	0.54	0.55

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFleetMix	LDA	0.54	0.55
tblFleetMix	LDA	0.54	0.55
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LHD1	0.02	0.03
tblFleetMix	LHD1	0.02	0.03
tblFleetMix	LHD1	0.02	0.03
tblFleetMix	LHD1	0.02	0.03
tblFleetMix	LHD1	0.02	0.03
tblFleetMix	LHD1	0.02	0.03
tblFleetMix	LHD2	6.9600e-003	0.00
tblFleetMix	LHD2	6.9600e-003	0.00
tblFleetMix	LHD2	6.9600e-003	0.00
tblFleetMix	LHD2	6.9600e-003	0.00
tblFleetMix	LHD2	6.9600e-003	0.00
tblFleetMix	LHD2	6.9600e-003	0.00
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MCY	0.02	0.03

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFleetMix	MCY	0.02	0.03
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MDV	0.13	0.14
tblFleetMix	MDV	0.13	0.14
tblFleetMix	MDV	0.13	0.14
tblFleetMix	MDV	0.13	0.14
tblFleetMix	MDV	0.13	0.14
tblFleetMix	MDV	0.13	0.14
tblFleetMix	MH	4.6890e-003	0.00
tblFleetMix	MH	4.6890e-003	0.00
tblFleetMix	MH	4.6890e-003	0.00
tblFleetMix	MH	4.6890e-003	0.00
tblFleetMix	MH	4.6890e-003	0.00
tblFleetMix	MH	4.6890e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	6.0800e-004	0.00
tblFleetMix	OBUS	6.0800e-004	0.00
tblFleetMix	OBUS	6.0800e-004	0.00
tblFleetMix	OBUS	6.0800e-004	0.00
tblFleetMix	OBUS	6.0800e-004	0.00
tblFleetMix	OBUS	6.0800e-004	0.00
tblFleetMix	SBUS	1.0910e-003	0.00
tblFleetMix	SBUS	1.0910e-003	0.00

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblFleetMix	SBUS	1.0910e-003	0.00
tblFleetMix	SBUS	1.0910e-003	0.00
tblFleetMix	SBUS	1.0910e-003	0.00
tblFleetMix	SBUS	1.0910e-003	0.00
tblFleetMix	UBUS	2.9800e-004	0.00
tblFleetMix	UBUS	2.9800e-004	0.00
tblFleetMix	UBUS	2.9800e-004	0.00
tblFleetMix	UBUS	2.9800e-004	0.00
tblFleetMix	UBUS	2.9800e-004	0.00
tblFleetMix	UBUS	2.9800e-004	0.00
tblLandUse	LandUseSquareFeet	64,468.80	64,263.98
tblLandUse	LandUseSquareFeet	1,627,000.00	1,867,700.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblTripsAndVMT	VendorTripNumber	332.00	0.00
tblTripsAndVMT	WorkerTripNumber	1,567.00	0.00
tblVehicleEF	HHD	0.03	0.11
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	8.34	5.04
tblVehicleEF	HHD	0.22	0.19
tblVehicleEF	HHD	2.2440e-003	2.0750e-003
tblVehicleEF	HHD	1,303.68	775.04
tblVehicleEF	HHD	1,185.67	1,500.37
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.21	0.12
tblVehicleEF	HHD	0.19	0.24

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	HHD	1.0000e-006	4.0000e-006
tblVehicleEF	HHD	6.75	3.98
tblVehicleEF	HHD	1.88	1.45
tblVehicleEF	HHD	2.39	2.76
tblVehicleEF	HHD	2.6250e-003	1.8450e-003
tblVehicleEF	HHD	0.06	0.07
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	2.5110e-003	1.7600e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8900e-003	8.7810e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	1.0000e-006	1.2900e-004
tblVehicleEF	HHD	3.5000e-005	3.3000e-005
tblVehicleEF	HHD	0.56	0.33
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.3000e-005	3.4000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.01	7.0390e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	1.0000e-006	1.2900e-004
tblVehicleEF	HHD	3.5000e-005	3.3000e-005
tblVehicleEF	HHD	0.64	0.47
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	1.3000e-005	3.4000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.03	0.11

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	8.23	4.97
tblVehicleEF	HHD	0.23	0.19
tblVehicleEF	HHD	2.1300e-003	1.9580e-003
tblVehicleEF	HHD	1,286.98	765.93
tblVehicleEF	HHD	1,185.67	1,500.37
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.20	0.12
tblVehicleEF	HHD	0.19	0.24
tblVehicleEF	HHD	1.0000e-006	4.0000e-006
tblVehicleEF	HHD	6.42	3.79
tblVehicleEF	HHD	1.77	1.38
tblVehicleEF	HHD	2.39	2.76
tblVehicleEF	HHD	2.3220e-003	1.6370e-003
tblVehicleEF	HHD	0.06	0.07
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	2.2220e-003	1.5620e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8900e-003	8.7810e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	2.0000e-006	1.8300e-004
tblVehicleEF	HHD	3.9000e-005	3.6000e-005
tblVehicleEF	HHD	0.60	0.35
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.3000e-005	3.6000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.01	6.9530e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0000e-006	1.8300e-004
tblVehicleEF	HHD	3.9000e-005	3.6000e-005
tblVehicleEF	HHD	0.68	0.49
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	1.3000e-005	3.6000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.03	0.11
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	8.49	5.13
tblVehicleEF	HHD	0.22	0.19
tblVehicleEF	HHD	2.2470e-003	2.0530e-003
tblVehicleEF	HHD	1,326.74	787.61
tblVehicleEF	HHD	1,185.67	1,500.37
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.21	0.13
tblVehicleEF	HHD	0.19	0.24
tblVehicleEF	HHD	1.0000e-006	4.0000e-006
tblVehicleEF	HHD	7.20	4.24
tblVehicleEF	HHD	1.86	1.43
tblVehicleEF	HHD	2.39	2.76
tblVehicleEF	HHD	3.0430e-003	2.1320e-003
tblVehicleEF	HHD	0.06	0.07
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	2.9110e-003	2.0350e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8900e-003	8.7810e-003

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	1.0000e-006	1.3100e-004
tblVehicleEF	HHD	3.8000e-005	3.3000e-005
tblVehicleEF	HHD	0.52	0.30
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.4000e-005	3.6000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.01	7.1580e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	1.0000e-006	1.3100e-004
tblVehicleEF	HHD	3.8000e-005	3.3000e-005
tblVehicleEF	HHD	0.59	0.44
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	1.4000e-005	3.6000e-005
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	LDA	1.3900e-003	1.7950e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.49	0.63
tblVehicleEF	LDA	1.78	2.42
tblVehicleEF	LDA	226.97	254.28
tblVehicleEF	LDA	46.78	63.08
tblVehicleEF	LDA	3.5640e-003	3.8500e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.14	0.20
tblVehicleEF	LDA	0.04	6.8120e-003
tblVehicleEF	LDA	1.1390e-003	1.1350e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDA	1.5610e-003	1.8510e-003
tblVehicleEF	LDA	0.02	2.3840e-003
tblVehicleEF	LDA	1.0480e-003	1.0440e-003
tblVehicleEF	LDA	1.4360e-003	1.7020e-003
tblVehicleEF	LDA	0.05	0.29
tblVehicleEF	LDA	0.08	0.08
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	4.8900e-003	6.4240e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.15	0.24
tblVehicleEF	LDA	2.2450e-003	2.5140e-003
tblVehicleEF	LDA	4.6300e-004	6.2400e-004
tblVehicleEF	LDA	0.05	0.29
tblVehicleEF	LDA	0.08	0.08
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	7.1090e-003	9.3600e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.16	0.27
tblVehicleEF	LDA	1.5850e-003	1.9070e-003
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.60	0.84
tblVehicleEF	LDA	1.58	2.03
tblVehicleEF	LDA	246.66	275.38
tblVehicleEF	LDA	46.39	62.35
tblVehicleEF	LDA	3.3980e-003	3.4260e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.13	0.19
tblVehicleEF	LDA	0.04	6.8120e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDA	1.1390e-003	1.1350e-003
tblVehicleEF	LDA	1.5610e-003	1.8510e-003
tblVehicleEF	LDA	0.02	2.3840e-003
tblVehicleEF	LDA	1.0480e-003	1.0440e-003
tblVehicleEF	LDA	1.4360e-003	1.7020e-003
tblVehicleEF	LDA	0.10	0.37
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.07	0.00
tblVehicleEF	LDA	5.5160e-003	6.7360e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.13	0.21
tblVehicleEF	LDA	2.4400e-003	2.7220e-003
tblVehicleEF	LDA	4.5900e-004	6.1600e-004
tblVehicleEF	LDA	0.10	0.37
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.07	0.00
tblVehicleEF	LDA	8.0220e-003	9.8150e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.14	0.23
tblVehicleEF	LDA	1.3420e-003	1.7830e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.46	0.59
tblVehicleEF	LDA	1.82	2.40
tblVehicleEF	LDA	221.60	250.72
tblVehicleEF	LDA	46.84	63.05
tblVehicleEF	LDA	3.4590e-003	3.7410e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.14	0.20

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDA	0.04	6.8120e-003
tblVehicleEF	LDA	1.1390e-003	1.1350e-003
tblVehicleEF	LDA	1.5610e-003	1.8510e-003
tblVehicleEF	LDA	0.02	2.3840e-003
tblVehicleEF	LDA	1.0480e-003	1.0440e-003
tblVehicleEF	LDA	1.4360e-003	1.7020e-003
tblVehicleEF	LDA	0.04	0.29
tblVehicleEF	LDA	0.08	0.08
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	4.7260e-003	6.3810e-003
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.15	0.24
tblVehicleEF	LDA	2.1920e-003	2.4780e-003
tblVehicleEF	LDA	4.6400e-004	6.2300e-004
tblVehicleEF	LDA	0.04	0.29
tblVehicleEF	LDA	0.08	0.08
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	6.8700e-003	9.2970e-003
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.16	0.27
tblVehicleEF	LDT1	3.9800e-003	7.5830e-003
tblVehicleEF	LDT1	0.05	0.11
tblVehicleEF	LDT1	0.94	1.67
tblVehicleEF	LDT1	1.97	5.32
tblVehicleEF	LDT1	273.46	328.61
tblVehicleEF	LDT1	57.18	85.64
tblVehicleEF	LDT1	6.1070e-003	0.01
tblVehicleEF	LDT1	0.02	0.04
tblVehicleEF	LDT1	0.07	0.15

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT1	0.20	0.41
tblVehicleEF	LDT1	0.04	8.4870e-003
tblVehicleEF	LDT1	1.5350e-003	1.9820e-003
tblVehicleEF	LDT1	2.0570e-003	3.0340e-003
tblVehicleEF	LDT1	0.02	2.9700e-003
tblVehicleEF	LDT1	1.4120e-003	1.8240e-003
tblVehicleEF	LDT1	1.8920e-003	2.7890e-003
tblVehicleEF	LDT1	0.14	0.81
tblVehicleEF	LDT1	0.18	0.20
tblVehicleEF	LDT1	0.10	0.00
tblVehicleEF	LDT1	0.02	0.03
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.25	0.57
tblVehicleEF	LDT1	2.7060e-003	3.2490e-003
tblVehicleEF	LDT1	5.6600e-004	8.4700e-004
tblVehicleEF	LDT1	0.14	0.81
tblVehicleEF	LDT1	0.18	0.20
tblVehicleEF	LDT1	0.10	0.00
tblVehicleEF	LDT1	0.02	0.05
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.28	0.62
tblVehicleEF	LDT1	4.5000e-003	8.0280e-003
tblVehicleEF	LDT1	0.05	0.10
tblVehicleEF	LDT1	1.14	2.22
tblVehicleEF	LDT1	1.75	4.42
tblVehicleEF	LDT1	294.44	353.57
tblVehicleEF	LDT1	56.72	83.93
tblVehicleEF	LDT1	5.8110e-003	9.7840e-003
tblVehicleEF	LDT1	0.02	0.04

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT1	0.07	0.13
tblVehicleEF	LDT1	0.19	0.38
tblVehicleEF	LDT1	0.04	8.4870e-003
tblVehicleEF	LDT1	1.5350e-003	1.9820e-003
tblVehicleEF	LDT1	2.0570e-003	3.0340e-003
tblVehicleEF	LDT1	0.02	2.9700e-003
tblVehicleEF	LDT1	1.4120e-003	1.8240e-003
tblVehicleEF	LDT1	1.8920e-003	2.7890e-003
tblVehicleEF	LDT1	0.28	1.04
tblVehicleEF	LDT1	0.21	0.22
tblVehicleEF	LDT1	0.19	0.00
tblVehicleEF	LDT1	0.02	0.03
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.22	0.48
tblVehicleEF	LDT1	2.9140e-003	3.4950e-003
tblVehicleEF	LDT1	5.6100e-004	8.3000e-004
tblVehicleEF	LDT1	0.28	1.04
tblVehicleEF	LDT1	0.21	0.22
tblVehicleEF	LDT1	0.19	0.00
tblVehicleEF	LDT1	0.03	0.05
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	0.24	0.53
tblVehicleEF	LDT1	3.8250e-003	7.5320e-003
tblVehicleEF	LDT1	0.05	0.11
tblVehicleEF	LDT1	0.87	1.58
tblVehicleEF	LDT1	2.02	5.28
tblVehicleEF	LDT1	267.05	324.40
tblVehicleEF	LDT1	57.28	85.58
tblVehicleEF	LDT1	5.9500e-003	0.01

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT1	0.02	0.04
tblVehicleEF	LDT1	0.07	0.15
tblVehicleEF	LDT1	0.20	0.40
tblVehicleEF	LDT1	0.04	8.4870e-003
tblVehicleEF	LDT1	1.5350e-003	1.9820e-003
tblVehicleEF	LDT1	2.0570e-003	3.0340e-003
tblVehicleEF	LDT1	0.02	2.9700e-003
tblVehicleEF	LDT1	1.4120e-003	1.8240e-003
tblVehicleEF	LDT1	1.8920e-003	2.7890e-003
tblVehicleEF	LDT1	0.12	0.81
tblVehicleEF	LDT1	0.19	0.20
tblVehicleEF	LDT1	0.09	0.00
tblVehicleEF	LDT1	0.02	0.03
tblVehicleEF	LDT1	0.09	0.07
tblVehicleEF	LDT1	0.26	0.57
tblVehicleEF	LDT1	2.6430e-003	3.2070e-003
tblVehicleEF	LDT1	5.6700e-004	8.4600e-004
tblVehicleEF	LDT1	0.12	0.81
tblVehicleEF	LDT1	0.19	0.20
tblVehicleEF	LDT1	0.09	0.00
tblVehicleEF	LDT1	0.02	0.05
tblVehicleEF	LDT1	0.09	0.07
tblVehicleEF	LDT1	0.28	0.62
tblVehicleEF	LDT2	2.5050e-003	2.4680e-003
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.69	0.77
tblVehicleEF	LDT2	2.28	2.97
tblVehicleEF	LDT2	282.19	330.84
tblVehicleEF	LDT2	59.29	82.24

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tblVehicleEF	LDT2	4.9570e-003	5.3210e-003
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.20	0.27
tblVehicleEF	LDT2	0.04	8.0340e-003
tblVehicleEF	LDT2	1.2190e-003	1.2010e-003
tblVehicleEF	LDT2	1.6200e-003	1.9310e-003
tblVehicleEF	LDT2	0.02	2.8120e-003
tblVehicleEF	LDT2	1.1220e-003	1.1040e-003
tblVehicleEF	LDT2	1.4900e-003	1.7750e-003
tblVehicleEF	LDT2	0.09	0.30
tblVehicleEF	LDT2	0.11	0.07
tblVehicleEF	LDT2	0.08	0.00
tblVehicleEF	LDT2	9.6580e-003	9.2330e-003
tblVehicleEF	LDT2	0.05	0.02
tblVehicleEF	LDT2	0.22	0.31
tblVehicleEF	LDT2	2.7920e-003	3.2700e-003
tblVehicleEF	LDT2	5.8700e-004	8.1300e-004
tblVehicleEF	LDT2	0.09	0.30
tblVehicleEF	LDT2	0.11	0.07
tblVehicleEF	LDT2	0.08	0.00
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.05	0.02
tblVehicleEF	LDT2	0.24	0.34
tblVehicleEF	LDT2	2.8500e-003	2.6200e-003
tblVehicleEF	LDT2	0.04	0.06
tblVehicleEF	LDT2	0.85	1.02
tblVehicleEF	LDT2	2.03	2.48
tblVehicleEF	LDT2	301.79	353.19

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT2	58.79	81.33
tblVehicleEF	LDT2	4.7400e-003	4.7480e-003
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.19	0.26
tblVehicleEF	LDT2	0.04	8.0340e-003
tblVehicleEF	LDT2	1.2190e-003	1.2010e-003
tblVehicleEF	LDT2	1.6200e-003	1.9310e-003
tblVehicleEF	LDT2	0.02	2.8120e-003
tblVehicleEF	LDT2	1.1220e-003	1.1040e-003
tblVehicleEF	LDT2	1.4900e-003	1.7750e-003
tblVehicleEF	LDT2	0.17	0.38
tblVehicleEF	LDT2	0.13	0.08
tblVehicleEF	LDT2	0.14	0.00
tblVehicleEF	LDT2	0.01	9.6820e-003
tblVehicleEF	LDT2	0.05	0.02
tblVehicleEF	LDT2	0.19	0.26
tblVehicleEF	LDT2	2.9860e-003	3.4910e-003
tblVehicleEF	LDT2	5.8200e-004	8.0400e-004
tblVehicleEF	LDT2	0.17	0.38
tblVehicleEF	LDT2	0.13	0.08
tblVehicleEF	LDT2	0.14	0.00
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.05	0.02
tblVehicleEF	LDT2	0.21	0.29
tblVehicleEF	LDT2	2.4030e-003	2.4520e-003
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.64	0.72
tblVehicleEF	LDT2	2.34	2.95

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LDT2	276.19	327.07
tblVehicleEF	LDT2	59.40	82.21
tblVehicleEF	LDT2	4.8280e-003	5.1750e-003
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.20	0.27
tblVehicleEF	LDT2	0.04	8.0340e-003
tblVehicleEF	LDT2	1.2190e-003	1.2010e-003
tblVehicleEF	LDT2	1.6200e-003	1.9310e-003
tblVehicleEF	LDT2	0.02	2.8120e-003
tblVehicleEF	LDT2	1.1220e-003	1.1040e-003
tblVehicleEF	LDT2	1.4900e-003	1.7750e-003
tblVehicleEF	LDT2	0.07	0.31
tblVehicleEF	LDT2	0.11	0.07
tblVehicleEF	LDT2	0.06	0.00
tblVehicleEF	LDT2	9.2730e-003	9.1700e-003
tblVehicleEF	LDT2	0.05	0.02
tblVehicleEF	LDT2	0.22	0.31
tblVehicleEF	LDT2	2.7320e-003	3.2330e-003
tblVehicleEF	LDT2	5.8800e-004	8.1300e-004
tblVehicleEF	LDT2	0.07	0.31
tblVehicleEF	LDT2	0.11	0.07
tblVehicleEF	LDT2	0.06	0.00
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.05	0.02
tblVehicleEF	LDT2	0.24	0.34
tblVehicleEF	LHD1	4.2850e-003	4.5140e-003
tblVehicleEF	LHD1	3.2600e-003	1.9150e-003
tblVehicleEF	LHD1	0.01	0.02

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD1	0.17	0.18
tblVehicleEF	LHD1	0.44	0.48
tblVehicleEF	LHD1	0.83	1.73
tblVehicleEF	LHD1	9.02	8.92
tblVehicleEF	LHD1	594.54	316.95
tblVehicleEF	LHD1	9.70	14.68
tblVehicleEF	LHD1	8.6900e-004	8.0200e-004
tblVehicleEF	LHD1	0.04	4.1540e-003
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	0.93	0.07
tblVehicleEF	LHD1	0.25	0.35
tblVehicleEF	LHD1	1.0100e-003	9.0100e-004
tblVehicleEF	LHD1	0.08	0.04
tblVehicleEF	LHD1	0.01	4.4260e-003
tblVehicleEF	LHD1	8.1560e-003	6.0100e-004
tblVehicleEF	LHD1	1.9700e-004	1.6100e-004
tblVehicleEF	LHD1	9.6600e-004	8.6200e-004
tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	2.5110e-003	1.1060e-003
tblVehicleEF	LHD1	7.7850e-003	5.5300e-004
tblVehicleEF	LHD1	1.8100e-004	1.4800e-004
tblVehicleEF	LHD1	2.4640e-003	0.12
tblVehicleEF	LHD1	0.06	0.03
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.2690e-003	0.00
tblVehicleEF	LHD1	0.04	9.2130e-003
tblVehicleEF	LHD1	0.17	0.06
tblVehicleEF	LHD1	0.05	0.09

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD1	8.7000e-005	8.6000e-005
tblVehicleEF	LHD1	5.7810e-003	3.1330e-003
tblVehicleEF	LHD1	9.6000e-005	1.4500e-004
tblVehicleEF	LHD1	2.4640e-003	0.12
tblVehicleEF	LHD1	0.06	0.03
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.2690e-003	0.00
tblVehicleEF	LHD1	0.05	0.01
tblVehicleEF	LHD1	0.17	0.06
tblVehicleEF	LHD1	0.06	0.10
tblVehicleEF	LHD1	4.2960e-003	4.5310e-003
tblVehicleEF	LHD1	3.3020e-003	2.0830e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.17	0.18
tblVehicleEF	LHD1	0.44	0.14
tblVehicleEF	LHD1	0.80	1.64
tblVehicleEF	LHD1	9.02	8.92
tblVehicleEF	LHD1	594.54	216.88
tblVehicleEF	LHD1	9.63	14.53
tblVehicleEF	LHD1	8.7000e-004	8.0400e-004
tblVehicleEF	LHD1	0.04	0.03
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	0.88	0.67
tblVehicleEF	LHD1	0.24	0.34
tblVehicleEF	LHD1	1.0100e-003	9.0100e-004
tblVehicleEF	LHD1	0.08	0.04
tblVehicleEF	LHD1	0.01	5.4860e-003
tblVehicleEF	LHD1	8.1560e-003	0.01

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD1	1.9700e-004	1.6100e-004
tblVehicleEF	LHD1	9.6600e-004	8.6200e-004
tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	2.5110e-003	1.3720e-003
tblVehicleEF	LHD1	7.7850e-003	0.01
tblVehicleEF	LHD1	1.8100e-004	1.4800e-004
tblVehicleEF	LHD1	4.5870e-003	0.14
tblVehicleEF	LHD1	0.07	0.03
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.3790e-003	0.00
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.17	0.06
tblVehicleEF	LHD1	0.05	0.08
tblVehicleEF	LHD1	8.7000e-005	8.6000e-005
tblVehicleEF	LHD1	5.7810e-003	2.0550e-003
tblVehicleEF	LHD1	9.5000e-005	1.4400e-004
tblVehicleEF	LHD1	4.5870e-003	0.14
tblVehicleEF	LHD1	0.07	0.03
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.3790e-003	0.00
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.17	0.06
tblVehicleEF	LHD1	0.06	0.09
tblVehicleEF	LHD1	4.2840e-003	4.5170e-003
tblVehicleEF	LHD1	3.2550e-003	2.0830e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.17	0.18
tblVehicleEF	LHD1	0.44	0.14
tblVehicleEF	LHD1	0.84	1.72

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD1	9.02	8.92
tblVehicleEF	LHD1	594.53	216.88
tblVehicleEF	LHD1	9.71	14.66
tblVehicleEF	LHD1	8.6900e-004	8.0300e-004
tblVehicleEF	LHD1	0.04	0.03
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	0.92	0.70
tblVehicleEF	LHD1	0.25	0.35
tblVehicleEF	LHD1	1.0100e-003	9.0100e-004
tblVehicleEF	LHD1	0.08	0.04
tblVehicleEF	LHD1	0.01	5.4860e-003
tblVehicleEF	LHD1	8.1560e-003	0.01
tblVehicleEF	LHD1	1.9700e-004	1.6100e-004
tblVehicleEF	LHD1	9.6600e-004	8.6200e-004
tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	2.5110e-003	1.3720e-003
tblVehicleEF	LHD1	7.7850e-003	0.01
tblVehicleEF	LHD1	1.8100e-004	1.4800e-004
tblVehicleEF	LHD1	2.1280e-003	0.12
tblVehicleEF	LHD1	0.07	0.03
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.1510e-003	0.00
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.18	0.06
tblVehicleEF	LHD1	0.05	0.09
tblVehicleEF	LHD1	8.7000e-005	8.6000e-005
tblVehicleEF	LHD1	5.7810e-003	2.0550e-003
tblVehicleEF	LHD1	9.6000e-005	1.4500e-004

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD1	2.1280e-003	0.12
tblVehicleEF	LHD1	0.07	0.03
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.1510e-003	0.00
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.18	0.06
tblVehicleEF	LHD1	0.06	0.09
tblVehicleEF	LHD2	2.7640e-003	2.5080e-003
tblVehicleEF	LHD2	2.6030e-003	5.4400e-004
tblVehicleEF	LHD2	6.4920e-003	9.0070e-003
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.34	0.17
tblVehicleEF	LHD2	0.48	0.86
tblVehicleEF	LHD2	14.23	14.45
tblVehicleEF	LHD2	594.26	171.91
tblVehicleEF	LHD2	6.62	7.42
tblVehicleEF	LHD2	1.8460e-003	1.9070e-003
tblVehicleEF	LHD2	0.06	1.9320e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.10	0.11
tblVehicleEF	LHD2	1.05	0.03
tblVehicleEF	LHD2	0.16	0.18
tblVehicleEF	LHD2	1.4850e-003	1.5170e-003
tblVehicleEF	LHD2	0.09	0.02
tblVehicleEF	LHD2	0.01	2.1700e-003
tblVehicleEF	LHD2	0.01	2.5300e-004
tblVehicleEF	LHD2	9.9000e-005	6.2000e-005
tblVehicleEF	LHD2	1.4210e-003	1.4510e-003
tblVehicleEF	LHD2	0.04	8.4250e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD2	2.7190e-003	5.4300e-004
tblVehicleEF	LHD2	0.01	2.3300e-004
tblVehicleEF	LHD2	9.1000e-005	5.7000e-005
tblVehicleEF	LHD2	1.3200e-003	0.06
tblVehicleEF	LHD2	0.03	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	7.1200e-004	0.00
tblVehicleEF	LHD2	0.04	2.3740e-003
tblVehicleEF	LHD2	0.08	0.02
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	1.3600e-004	1.3800e-004
tblVehicleEF	LHD2	5.7240e-003	1.7000e-003
tblVehicleEF	LHD2	6.6000e-005	7.3000e-005
tblVehicleEF	LHD2	1.3200e-003	0.06
tblVehicleEF	LHD2	0.03	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.1200e-004	0.00
tblVehicleEF	LHD2	0.05	3.4650e-003
tblVehicleEF	LHD2	0.08	0.02
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	2.7710e-003	2.5170e-003
tblVehicleEF	LHD2	2.6180e-003	3.0790e-003
tblVehicleEF	LHD2	6.2730e-003	8.6680e-003
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.34	0.18
tblVehicleEF	LHD2	0.45	0.82
tblVehicleEF	LHD2	14.23	14.45
tblVehicleEF	LHD2	594.26	422.91
tblVehicleEF	LHD2	6.58	7.34

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD2	1.8470e-003	1.9080e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.10	0.11
tblVehicleEF	LHD2	0.99	0.85
tblVehicleEF	LHD2	0.15	0.17
tblVehicleEF	LHD2	1.4850e-003	1.5170e-003
tblVehicleEF	LHD2	0.09	0.07
tblVehicleEF	LHD2	0.01	8.8530e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	9.9000e-005	6.2000e-005
tblVehicleEF	LHD2	1.4210e-003	1.4510e-003
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	2.7190e-003	2.2130e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	9.1000e-005	5.7000e-005
tblVehicleEF	LHD2	2.4810e-003	0.07
tblVehicleEF	LHD2	0.04	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	1.3230e-003	0.00
tblVehicleEF	LHD2	0.04	0.07
tblVehicleEF	LHD2	0.08	0.03
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	1.3600e-004	1.3800e-004
tblVehicleEF	LHD2	5.7240e-003	4.0070e-003
tblVehicleEF	LHD2	6.5000e-005	7.3000e-005
tblVehicleEF	LHD2	2.4810e-003	0.07
tblVehicleEF	LHD2	0.04	0.01
tblVehicleEF	LHD2	0.02	0.02

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD2	1.3230e-003	0.00
tblVehicleEF	LHD2	0.05	0.08
tblVehicleEF	LHD2	0.08	0.03
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	2.7630e-003	2.5090e-003
tblVehicleEF	LHD2	2.5990e-003	3.0790e-003
tblVehicleEF	LHD2	6.5370e-003	8.9490e-003
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.34	0.18
tblVehicleEF	LHD2	0.48	0.86
tblVehicleEF	LHD2	14.23	14.45
tblVehicleEF	LHD2	594.26	422.91
tblVehicleEF	LHD2	6.63	7.41
tblVehicleEF	LHD2	1.8460e-003	1.9070e-003
tblVehicleEF	LHD2	0.06	0.07
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.10	0.11
tblVehicleEF	LHD2	1.04	0.89
tblVehicleEF	LHD2	0.16	0.18
tblVehicleEF	LHD2	1.4850e-003	1.5170e-003
tblVehicleEF	LHD2	0.09	0.07
tblVehicleEF	LHD2	0.01	8.8530e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	9.9000e-005	6.2000e-005
tblVehicleEF	LHD2	1.4210e-003	1.4510e-003
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	2.7190e-003	2.2130e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	9.1000e-005	5.7000e-005

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	LHD2	9.9900e-004	0.06
tblVehicleEF	LHD2	0.04	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	5.9700e-004	0.00
tblVehicleEF	LHD2	0.04	0.07
tblVehicleEF	LHD2	0.08	0.03
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	1.3600e-004	1.3800e-004
tblVehicleEF	LHD2	5.7240e-003	4.0070e-003
tblVehicleEF	LHD2	6.6000e-005	7.3000e-005
tblVehicleEF	LHD2	9.9900e-004	0.06
tblVehicleEF	LHD2	0.04	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	5.9700e-004	0.00
tblVehicleEF	LHD2	0.05	0.08
tblVehicleEF	LHD2	0.08	0.03
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	MCY	0.31	0.16
tblVehicleEF	MCY	0.24	0.17
tblVehicleEF	MCY	18.21	12.72
tblVehicleEF	MCY	8.64	7.70
tblVehicleEF	MCY	208.24	188.15
tblVehicleEF	MCY	59.22	46.82
tblVehicleEF	MCY	0.06	0.04
tblVehicleEF	MCY	0.01	7.5250e-003
tblVehicleEF	MCY	1.11	0.56
tblVehicleEF	MCY	0.26	0.13
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.9650e-003	1.8680e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MCY	2.7270e-003	3.1930e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.8340e-003	1.7460e-003
tblVehicleEF	MCY	2.5560e-003	2.9950e-003
tblVehicleEF	MCY	1.68	2.49
tblVehicleEF	MCY	0.82	3.58
tblVehicleEF	MCY	0.90	0.00
tblVehicleEF	MCY	2.10	1.06
tblVehicleEF	MCY	0.46	1.33
tblVehicleEF	MCY	1.79	1.24
tblVehicleEF	MCY	2.0610e-003	1.8600e-003
tblVehicleEF	MCY	5.8600e-004	4.6300e-004
tblVehicleEF	MCY	1.68	2.49
tblVehicleEF	MCY	0.82	3.58
tblVehicleEF	MCY	0.90	0.00
tblVehicleEF	MCY	2.62	1.28
tblVehicleEF	MCY	0.46	1.33
tblVehicleEF	MCY	1.94	1.35
tblVehicleEF	MCY	0.31	0.16
tblVehicleEF	MCY	0.21	0.15
tblVehicleEF	MCY	18.86	12.86
tblVehicleEF	MCY	8.01	6.90
tblVehicleEF	MCY	209.23	188.36
tblVehicleEF	MCY	57.61	45.06
tblVehicleEF	MCY	0.06	0.04
tblVehicleEF	MCY	0.01	7.3800e-003
tblVehicleEF	MCY	0.97	0.49
tblVehicleEF	MCY	0.25	0.12
tblVehicleEF	MCY	0.01	0.01

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MCY	1.9650e-003	1.8680e-003
tblVehicleEF	MCY	2.7270e-003	3.1930e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.8340e-003	1.7460e-003
tblVehicleEF	MCY	2.5560e-003	2.9950e-003
tblVehicleEF	MCY	3.33	3.64
tblVehicleEF	MCY	1.23	3.76
tblVehicleEF	MCY	2.04	0.00
tblVehicleEF	MCY	2.09	1.05
tblVehicleEF	MCY	0.46	1.39
tblVehicleEF	MCY	1.60	1.09
tblVehicleEF	MCY	2.0710e-003	1.8620e-003
tblVehicleEF	MCY	5.7000e-004	4.4600e-004
tblVehicleEF	MCY	3.33	3.64
tblVehicleEF	MCY	1.23	3.76
tblVehicleEF	MCY	2.04	0.00
tblVehicleEF	MCY	2.60	1.27
tblVehicleEF	MCY	0.46	1.39
tblVehicleEF	MCY	1.74	1.19
tblVehicleEF	MCY	0.31	0.16
tblVehicleEF	MCY	0.24	0.17
tblVehicleEF	MCY	17.80	12.54
tblVehicleEF	MCY	8.61	7.53
tblVehicleEF	MCY	207.58	187.84
tblVehicleEF	MCY	59.21	46.47
tblVehicleEF	MCY	0.06	0.04
tblVehicleEF	MCY	0.02	7.5190e-003
tblVehicleEF	MCY	1.11	0.54
tblVehicleEF	MCY	0.26	0.12

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.9650e-003	1.8680e-003
tblVehicleEF	MCY	2.7270e-003	3.1930e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.8340e-003	1.7460e-003
tblVehicleEF	MCY	2.5560e-003	2.9950e-003
tblVehicleEF	MCY	1.59	2.59
tblVehicleEF	MCY	1.00	3.60
tblVehicleEF	MCY	0.72	0.00
tblVehicleEF	MCY	2.10	1.05
tblVehicleEF	MCY	0.52	1.43
tblVehicleEF	MCY	1.79	1.21
tblVehicleEF	MCY	2.0540e-003	1.8570e-003
tblVehicleEF	MCY	5.8600e-004	4.5900e-004
tblVehicleEF	MCY	1.59	2.59
tblVehicleEF	MCY	1.00	3.60
tblVehicleEF	MCY	0.72	0.00
tblVehicleEF	MCY	2.61	1.27
tblVehicleEF	MCY	0.52	1.43
tblVehicleEF	MCY	1.95	1.32
tblVehicleEF	MDV	3.0610e-003	3.5140e-003
tblVehicleEF	MDV	0.06	0.09
tblVehicleEF	MDV	0.75	0.94
tblVehicleEF	MDV	2.53	3.36
tblVehicleEF	MDV	354.28	409.67
tblVehicleEF	MDV	73.99	101.49
tblVehicleEF	MDV	6.8880e-003	7.8940e-003
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.06	0.09

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MDV	0.25	0.37
tblVehicleEF	MDV	0.04	8.3400e-003
tblVehicleEF	MDV	1.2580e-003	1.3360e-003
tblVehicleEF	MDV	1.6330e-003	2.0170e-003
tblVehicleEF	MDV	0.02	2.9190e-003
tblVehicleEF	MDV	1.1600e-003	1.2330e-003
tblVehicleEF	MDV	1.5010e-003	1.8550e-003
tblVehicleEF	MDV	0.12	0.43
tblVehicleEF	MDV	0.14	0.10
tblVehicleEF	MDV	0.10	0.00
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.06	0.03
tblVehicleEF	MDV	0.28	0.43
tblVehicleEF	MDV	3.5020e-003	4.0470e-003
tblVehicleEF	MDV	7.3200e-004	1.0030e-003
tblVehicleEF	MDV	0.12	0.43
tblVehicleEF	MDV	0.14	0.10
tblVehicleEF	MDV	0.10	0.00
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.03
tblVehicleEF	MDV	0.30	0.47
tblVehicleEF	MDV	3.4860e-003	3.7310e-003
tblVehicleEF	MDV	0.05	0.08
tblVehicleEF	MDV	0.92	1.25
tblVehicleEF	MDV	2.23	2.80
tblVehicleEF	MDV	374.80	432.81
tblVehicleEF	MDV	73.40	100.41
tblVehicleEF	MDV	6.6270e-003	7.1270e-003
tblVehicleEF	MDV	0.03	0.04

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MDV	0.06	0.07
tblVehicleEF	MDV	0.24	0.34
tblVehicleEF	MDV	0.04	8.3400e-003
tblVehicleEF	MDV	1.2580e-003	1.3360e-003
tblVehicleEF	MDV	1.6330e-003	2.0170e-003
tblVehicleEF	MDV	0.02	2.9190e-003
tblVehicleEF	MDV	1.1600e-003	1.2330e-003
tblVehicleEF	MDV	1.5010e-003	1.8550e-003
tblVehicleEF	MDV	0.22	0.52
tblVehicleEF	MDV	0.16	0.11
tblVehicleEF	MDV	0.18	0.00
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.06	0.03
tblVehicleEF	MDV	0.24	0.37
tblVehicleEF	MDV	3.7050e-003	4.2760e-003
tblVehicleEF	MDV	7.2600e-004	9.9300e-004
tblVehicleEF	MDV	0.22	0.52
tblVehicleEF	MDV	0.16	0.11
tblVehicleEF	MDV	0.18	0.00
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.03
tblVehicleEF	MDV	0.27	0.40
tblVehicleEF	MDV	2.9380e-003	3.4900e-003
tblVehicleEF	MDV	0.06	0.09
tblVehicleEF	MDV	0.70	0.88
tblVehicleEF	MDV	2.59	3.33
tblVehicleEF	MDV	348.03	405.76
tblVehicleEF	MDV	74.10	101.46
tblVehicleEF	MDV	6.7340e-003	7.6980e-003

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.06	0.08
tblVehicleEF	MDV	0.25	0.37
tblVehicleEF	MDV	0.04	8.3400e-003
tblVehicleEF	MDV	1.2580e-003	1.3360e-003
tblVehicleEF	MDV	1.6330e-003	2.0170e-003
tblVehicleEF	MDV	0.02	2.9190e-003
tblVehicleEF	MDV	1.1600e-003	1.2330e-003
tblVehicleEF	MDV	1.5010e-003	1.8550e-003
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.15	0.10
tblVehicleEF	MDV	0.09	0.00
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.07	0.03
tblVehicleEF	MDV	0.28	0.43
tblVehicleEF	MDV	3.4400e-003	4.0090e-003
tblVehicleEF	MDV	7.3300e-004	1.0030e-003
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.15	0.10
tblVehicleEF	MDV	0.09	0.00
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.07	0.03
tblVehicleEF	MDV	0.31	0.47
tblVehicleEF	MH	6.2700e-003	6.6450e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	0.69	0.72
tblVehicleEF	MH	1.72	2.05
tblVehicleEF	MH	1,362.78	1,515.66
tblVehicleEF	MH	16.59	21.02

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.39	1.46
tblVehicleEF	MH	0.23	0.30
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.0100e-004	2.3400e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.3180e-003	3.3130e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	1.8500e-004	2.1500e-004
tblVehicleEF	MH	0.92	32.51
tblVehicleEF	MH	0.05	7.39
tblVehicleEF	MH	0.35	0.00
tblVehicleEF	MH	0.04	0.05
tblVehicleEF	MH	0.01	2.0590e-003
tblVehicleEF	MH	0.08	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	1.6400e-004	2.0800e-004
tblVehicleEF	MH	0.92	32.51
tblVehicleEF	MH	0.05	7.39
tblVehicleEF	MH	0.35	0.00
tblVehicleEF	MH	0.05	0.06
tblVehicleEF	MH	0.01	2.0590e-003
tblVehicleEF	MH	0.09	0.11
tblVehicleEF	MH	6.3920e-003	6.7810e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.71	0.74

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MH	1.60	1.91
tblVehicleEF	MH	1,362.80	1,515.69
tblVehicleEF	MH	16.40	20.78
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.30	1.37
tblVehicleEF	MH	0.22	0.29
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.0100e-004	2.3400e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.3180e-003	3.3130e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	1.8500e-004	2.1500e-004
tblVehicleEF	MH	1.67	40.27
tblVehicleEF	MH	0.06	7.97
tblVehicleEF	MH	0.67	0.00
tblVehicleEF	MH	0.04	0.05
tblVehicleEF	MH	0.01	2.1260e-003
tblVehicleEF	MH	0.08	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	1.6200e-004	2.0500e-004
tblVehicleEF	MH	1.67	40.27
tblVehicleEF	MH	0.06	7.97
tblVehicleEF	MH	0.67	0.00
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.01	2.1260e-003
tblVehicleEF	MH	0.08	0.10

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MH	6.2570e-003	6.6560e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.69	0.72
tblVehicleEF	MH	1.73	2.05
tblVehicleEF	MH	1,362.78	1,515.66
tblVehicleEF	MH	16.61	21.01
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.38	1.44
tblVehicleEF	MH	0.23	0.30
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.0100e-004	2.3400e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.3180e-003	3.3130e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	1.8500e-004	2.1500e-004
tblVehicleEF	MH	0.87	32.67
tblVehicleEF	MH	0.06	7.39
tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MH	0.04	0.05
tblVehicleEF	MH	0.01	2.1050e-003
tblVehicleEF	MH	0.08	0.10
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	1.6400e-004	2.0800e-004
tblVehicleEF	MH	0.87	32.67
tblVehicleEF	MH	0.06	7.39
tblVehicleEF	MH	0.33	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MH	0.05	0.06
tblVehicleEF	MH	0.01	2.1050e-003
tblVehicleEF	MH	0.09	0.11
tblVehicleEF	MHD	3.2690e-003	0.02
tblVehicleEF	MHD	9.7500e-004	6.8800e-003
tblVehicleEF	MHD	7.7720e-003	5.4780e-003
tblVehicleEF	MHD	0.35	0.66
tblVehicleEF	MHD	0.13	0.14
tblVehicleEF	MHD	0.84	0.62
tblVehicleEF	MHD	64.48	165.28
tblVehicleEF	MHD	900.30	1,088.35
tblVehicleEF	MHD	7.99	5.64
tblVehicleEF	MHD	9.3230e-003	0.03
tblVehicleEF	MHD	0.12	0.15
tblVehicleEF	MHD	6.4790e-003	3.9890e-003
tblVehicleEF	MHD	0.35	0.86
tblVehicleEF	MHD	0.88	0.67
tblVehicleEF	MHD	1.74	1.49
tblVehicleEF	MHD	2.6600e-004	1.1960e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	9.4320e-003	8.6070e-003
tblVehicleEF	MHD	9.2000e-005	6.1000e-005
tblVehicleEF	MHD	2.5400e-004	1.1440e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	9.0210e-003	8.2320e-003
tblVehicleEF	MHD	8.5000e-005	5.6000e-005
tblVehicleEF	MHD	5.5300e-004	0.02
tblVehicleEF	MHD	0.02	3.9230e-003
tblVehicleEF	MHD	0.02	0.02

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MHD	2.9600e-004	0.00
tblVehicleEF	MHD	9.6690e-003	0.01
tblVehicleEF	MHD	0.01	9.6690e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.1200e-004	1.5180e-003
tblVehicleEF	MHD	8.5800e-003	0.01
tblVehicleEF	MHD	7.9000e-005	5.6000e-005
tblVehicleEF	MHD	5.5300e-004	0.02
tblVehicleEF	MHD	0.02	3.9230e-003
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	2.9600e-004	0.00
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.01	9.6690e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	3.1120e-003	0.02
tblVehicleEF	MHD	9.8800e-004	6.8950e-003
tblVehicleEF	MHD	7.5230e-003	5.2660e-003
tblVehicleEF	MHD	0.31	0.62
tblVehicleEF	MHD	0.13	0.14
tblVehicleEF	MHD	0.80	0.59
tblVehicleEF	MHD	64.28	163.79
tblVehicleEF	MHD	900.30	1,088.35
tblVehicleEF	MHD	7.92	5.58
tblVehicleEF	MHD	9.2600e-003	0.03
tblVehicleEF	MHD	0.12	0.15
tblVehicleEF	MHD	6.4040e-003	3.9140e-003
tblVehicleEF	MHD	0.34	0.83
tblVehicleEF	MHD	0.83	0.63
tblVehicleEF	MHD	1.74	1.48

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MHD	2.2700e-004	1.0200e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	9.4320e-003	8.6070e-003
tblVehicleEF	MHD	9.2000e-005	6.1000e-005
tblVehicleEF	MHD	2.1700e-004	9.7500e-004
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	9.0210e-003	8.2320e-003
tblVehicleEF	MHD	8.5000e-005	5.6000e-005
tblVehicleEF	MHD	1.0540e-003	0.02
tblVehicleEF	MHD	0.02	4.2250e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	5.5900e-004	0.00
tblVehicleEF	MHD	9.7230e-003	0.01
tblVehicleEF	MHD	0.02	9.9910e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.1000e-004	1.5040e-003
tblVehicleEF	MHD	8.5800e-003	0.01
tblVehicleEF	MHD	7.8000e-005	5.5000e-005
tblVehicleEF	MHD	1.0540e-003	0.02
tblVehicleEF	MHD	0.02	4.2250e-003
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	5.5900e-004	0.00
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.02	9.9910e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	3.4970e-003	0.02
tblVehicleEF	MHD	9.6400e-004	6.8810e-003
tblVehicleEF	MHD	7.8420e-003	5.4280e-003
tblVehicleEF	MHD	0.42	0.72

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MHD	0.13	0.14
tblVehicleEF	MHD	0.85	0.62
tblVehicleEF	MHD	64.75	167.33
tblVehicleEF	MHD	900.29	1,088.35
tblVehicleEF	MHD	8.01	5.63
tblVehicleEF	MHD	9.4140e-003	0.03
tblVehicleEF	MHD	0.12	0.15
tblVehicleEF	MHD	6.5240e-003	3.9650e-003
tblVehicleEF	MHD	0.37	0.90
tblVehicleEF	MHD	0.87	0.65
tblVehicleEF	MHD	1.74	1.48
tblVehicleEF	MHD	3.1900e-004	1.4400e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	9.4320e-003	8.6070e-003
tblVehicleEF	MHD	9.2000e-005	6.1000e-005
tblVehicleEF	MHD	3.0500e-004	1.3770e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	9.0210e-003	8.2320e-003
tblVehicleEF	MHD	8.5000e-005	5.6000e-005
tblVehicleEF	MHD	3.9400e-004	0.02
tblVehicleEF	MHD	0.02	3.9230e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.3300e-004	0.00
tblVehicleEF	MHD	9.6260e-003	0.01
tblVehicleEF	MHD	0.02	9.8710e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	6.1400e-004	1.5370e-003
tblVehicleEF	MHD	8.5800e-003	0.01
tblVehicleEF	MHD	7.9000e-005	5.6000e-005

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	MHD	3.9400e-004	0.02
tblVehicleEF	MHD	0.02	3.9230e-003
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	2.3300e-004	0.00
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.02	9.8710e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	OBUS	8.4050e-003	0.02
tblVehicleEF	OBUS	3.3940e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.52	0.51
tblVehicleEF	OBUS	0.41	0.67
tblVehicleEF	OBUS	2.22	2.58
tblVehicleEF	OBUS	71.13	70.55
tblVehicleEF	OBUS	1,246.29	1,346.11
tblVehicleEF	OBUS	18.79	21.62
tblVehicleEF	OBUS	9.2540e-003	9.4290e-003
tblVehicleEF	OBUS	0.09	0.12
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.27	0.26
tblVehicleEF	OBUS	0.78	1.00
tblVehicleEF	OBUS	0.78	0.69
tblVehicleEF	OBUS	9.1000e-005	4.5000e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	8.2900e-003	0.02
tblVehicleEF	OBUS	2.0200e-004	1.8500e-004
tblVehicleEF	OBUS	8.7000e-005	4.3000e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	7.9170e-003	0.02

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	OBUS	1.8600e-004	1.7000e-004
tblVehicleEF	OBUS	2.5200e-003	0.13
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	1.1050e-003	0.00
tblVehicleEF	OBUS	0.02	0.05
tblVehicleEF	OBUS	0.08	0.05
tblVehicleEF	OBUS	0.11	0.13
tblVehicleEF	OBUS	6.7800e-004	6.2900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	1.8600e-004	2.1400e-004
tblVehicleEF	OBUS	2.5200e-003	0.13
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.06	0.08
tblVehicleEF	OBUS	1.1050e-003	0.00
tblVehicleEF	OBUS	0.03	0.09
tblVehicleEF	OBUS	0.08	0.05
tblVehicleEF	OBUS	0.12	0.14
tblVehicleEF	OBUS	8.4810e-003	0.02
tblVehicleEF	OBUS	3.4670e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.52	0.50
tblVehicleEF	OBUS	0.41	0.68
tblVehicleEF	OBUS	2.08	2.40
tblVehicleEF	OBUS	70.35	70.02
tblVehicleEF	OBUS	1,246.30	1,346.13
tblVehicleEF	OBUS	18.55	21.31
tblVehicleEF	OBUS	9.1360e-003	9.3490e-003
tblVehicleEF	OBUS	0.09	0.12

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.26	0.25
tblVehicleEF	OBUS	0.73	0.93
tblVehicleEF	OBUS	0.77	0.68
tblVehicleEF	OBUS	8.1000e-005	3.8600e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	8.2900e-003	0.02
tblVehicleEF	OBUS	2.0200e-004	1.8500e-004
tblVehicleEF	OBUS	7.7000e-005	3.6900e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	7.9170e-003	0.02
tblVehicleEF	OBUS	1.8600e-004	1.7000e-004
tblVehicleEF	OBUS	4.5960e-003	0.17
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	2.0760e-003	0.00
tblVehicleEF	OBUS	0.02	0.05
tblVehicleEF	OBUS	0.08	0.05
tblVehicleEF	OBUS	0.10	0.12
tblVehicleEF	OBUS	6.7100e-004	6.2400e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	1.8400e-004	2.1100e-004
tblVehicleEF	OBUS	4.5960e-003	0.17
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.06	0.08
tblVehicleEF	OBUS	2.0760e-003	0.00
tblVehicleEF	OBUS	0.03	0.09
tblVehicleEF	OBUS	0.08	0.05
tblVehicleEF	OBUS	0.11	0.13

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	OBUS	8.3290e-003	0.02
tblVehicleEF	OBUS	3.3710e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.53	0.52
tblVehicleEF	OBUS	0.40	0.67
tblVehicleEF	OBUS	2.24	2.57
tblVehicleEF	OBUS	72.21	71.30
tblVehicleEF	OBUS	1,246.29	1,346.11
tblVehicleEF	OBUS	18.83	21.60
tblVehicleEF	OBUS	9.4230e-003	9.5470e-003
tblVehicleEF	OBUS	0.09	0.12
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.29	0.27
tblVehicleEF	OBUS	0.78	0.98
tblVehicleEF	OBUS	0.78	0.68
tblVehicleEF	OBUS	1.0500e-004	5.3900e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	8.2900e-003	0.02
tblVehicleEF	OBUS	2.0200e-004	1.8500e-004
tblVehicleEF	OBUS	1.0000e-004	5.1500e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	7.9170e-003	0.02
tblVehicleEF	OBUS	1.8600e-004	1.7000e-004
tblVehicleEF	OBUS	2.2040e-003	0.14
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	1.0340e-003	0.00
tblVehicleEF	OBUS	0.02	0.05
tblVehicleEF	OBUS	0.08	0.05

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	OBUS	0.11	0.13
tblVehicleEF	OBUS	6.8800e-004	6.3600e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	1.8600e-004	2.1400e-004
tblVehicleEF	OBUS	2.2040e-003	0.14
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	1.0340e-003	0.00
tblVehicleEF	OBUS	0.03	0.09
tblVehicleEF	OBUS	0.08	0.05
tblVehicleEF	OBUS	0.12	0.14
tblVehicleEF	SBUS	0.08	0.51
tblVehicleEF	SBUS	5.5200e-003	1.36
tblVehicleEF	SBUS	7.3930e-003	7.7090e-003
tblVehicleEF	SBUS	3.25	3.05
tblVehicleEF	SBUS	0.45	5.22
tblVehicleEF	SBUS	0.94	0.98
tblVehicleEF	SBUS	354.78	271.75
tblVehicleEF	SBUS	1,057.65	1,223.93
tblVehicleEF	SBUS	6.15	6.23
tblVehicleEF	SBUS	0.05	0.04
tblVehicleEF	SBUS	0.13	0.16
tblVehicleEF	SBUS	7.4230e-003	7.2280e-003
tblVehicleEF	SBUS	3.05	1.19
tblVehicleEF	SBUS	3.89	2.35
tblVehicleEF	SBUS	0.98	0.17
tblVehicleEF	SBUS	2.7150e-003	1.4160e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	2.5970e-003	1.3400e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.6480e-003	2.5540e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	4.6000e-005	4.7000e-005
tblVehicleEF	SBUS	1.7830e-003	0.08
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.37	0.30
tblVehicleEF	SBUS	8.7100e-004	0.00
tblVehicleEF	SBUS	0.08	0.08
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.3900e-003	1.4080e-003
tblVehicleEF	SBUS	0.01	7.0020e-003
tblVehicleEF	SBUS	6.1000e-005	6.2000e-005
tblVehicleEF	SBUS	1.7830e-003	0.08
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.54	0.89
tblVehicleEF	SBUS	8.7100e-004	0.00
tblVehicleEF	SBUS	0.09	1.46
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	0.08	0.51
tblVehicleEF	SBUS	5.5830e-003	1.36
tblVehicleEF	SBUS	6.2000e-003	6.4280e-003
tblVehicleEF	SBUS	3.22	3.04
tblVehicleEF	SBUS	0.46	5.23
tblVehicleEF	SBUS	0.68	0.70

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	SBUS	362.08	274.92
tblVehicleEF	SBUS	1,057.66	1,223.95
tblVehicleEF	SBUS	5.72	5.76
tblVehicleEF	SBUS	0.05	0.04
tblVehicleEF	SBUS	0.12	0.16
tblVehicleEF	SBUS	7.1800e-003	6.9590e-003
tblVehicleEF	SBUS	3.11	1.22
tblVehicleEF	SBUS	3.66	2.20
tblVehicleEF	SBUS	0.97	0.17
tblVehicleEF	SBUS	2.2970e-003	1.2590e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	2.1970e-003	1.1900e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.6480e-003	2.5540e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	4.6000e-005	4.7000e-005
tblVehicleEF	SBUS	3.2020e-003	0.10
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.37	0.30
tblVehicleEF	SBUS	1.5880e-003	0.00
tblVehicleEF	SBUS	0.08	0.08
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4590e-003	1.4380e-003
tblVehicleEF	SBUS	0.01	7.0020e-003
tblVehicleEF	SBUS	3.2020e-003	0.10
tblVehicleEF	SBUS	0.01	0.02

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	SBUS	0.54	0.89
tblVehicleEF	SBUS	1.5880e-003	0.00
tblVehicleEF	SBUS	0.09	1.46
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	0.08	0.51
tblVehicleEF	SBUS	5.5110e-003	1.36
tblVehicleEF	SBUS	7.6670e-003	7.8450e-003
tblVehicleEF	SBUS	3.29	3.07
tblVehicleEF	SBUS	0.45	5.22
tblVehicleEF	SBUS	0.99	1.00
tblVehicleEF	SBUS	344.70	267.36
tblVehicleEF	SBUS	1,057.65	1,223.93
tblVehicleEF	SBUS	6.23	6.27
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	0.13	0.16
tblVehicleEF	SBUS	7.5280e-003	7.2910e-003
tblVehicleEF	SBUS	2.97	1.15
tblVehicleEF	SBUS	3.86	2.31
tblVehicleEF	SBUS	0.98	0.17
tblVehicleEF	SBUS	3.2920e-003	1.6330e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	3.1500e-003	1.5470e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.6480e-003	2.5540e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	4.6000e-005	4.7000e-005

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	SBUS	1.5040e-003	0.08
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.37	0.30
tblVehicleEF	SBUS	8.3300e-004	0.00
tblVehicleEF	SBUS	0.08	0.08
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.04	0.05
tblVehicleEF	SBUS	3.2950e-003	1.3660e-003
tblVehicleEF	SBUS	0.01	7.0020e-003
tblVehicleEF	SBUS	1.5040e-003	0.08
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.54	0.89
tblVehicleEF	SBUS	8.3300e-004	0.00
tblVehicleEF	SBUS	0.09	1.46
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	UBUS	3.36	0.93
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	26.11	16.50
tblVehicleEF	UBUS	1.44	2.81
tblVehicleEF	UBUS	1,572.01	1,771.46
tblVehicleEF	UBUS	16.65	27.13
tblVehicleEF	UBUS	0.23	0.25
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.31	0.48
tblVehicleEF	UBUS	0.15	0.27
tblVehicleEF	UBUS	0.09	0.11
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	2.8020e-003	6.5900e-004

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	UBUS	2.1900e-004	1.9200e-004
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	5.4780e-003	5.8730e-003
tblVehicleEF	UBUS	2.6610e-003	6.1000e-004
tblVehicleEF	UBUS	2.0200e-004	1.7600e-004
tblVehicleEF	UBUS	1.0760e-003	0.06
tblVehicleEF	UBUS	7.9910e-003	0.02
tblVehicleEF	UBUS	6.3100e-004	0.00
tblVehicleEF	UBUS	0.05	0.02
tblVehicleEF	UBUS	8.6200e-004	1.2520e-003
tblVehicleEF	UBUS	0.07	0.14
tblVehicleEF	UBUS	4.4660e-003	5.5490e-003
tblVehicleEF	UBUS	1.6500e-004	2.6800e-004
tblVehicleEF	UBUS	1.0760e-003	0.06
tblVehicleEF	UBUS	7.9910e-003	0.02
tblVehicleEF	UBUS	6.3100e-004	0.00
tblVehicleEF	UBUS	3.43	0.95
tblVehicleEF	UBUS	8.6200e-004	1.2520e-003
tblVehicleEF	UBUS	0.07	0.15
tblVehicleEF	UBUS	3.36	0.93
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	26.11	16.50
tblVehicleEF	UBUS	1.22	2.39
tblVehicleEF	UBUS	1,572.01	1,771.46
tblVehicleEF	UBUS	16.28	26.42
tblVehicleEF	UBUS	0.23	0.25
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.30	0.47
tblVehicleEF	UBUS	0.15	0.25

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	UBUS	0.09	0.11
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	2.8020e-003	6.5900e-004
tblVehicleEF	UBUS	2.1900e-004	1.9200e-004
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	5.4780e-003	5.8730e-003
tblVehicleEF	UBUS	2.6610e-003	6.1000e-004
tblVehicleEF	UBUS	2.0200e-004	1.7600e-004
tblVehicleEF	UBUS	1.9350e-003	0.09
tblVehicleEF	UBUS	9.6880e-003	0.02
tblVehicleEF	UBUS	1.3100e-003	0.00
tblVehicleEF	UBUS	0.05	0.02
tblVehicleEF	UBUS	8.3800e-004	1.3110e-003
tblVehicleEF	UBUS	0.06	0.13
tblVehicleEF	UBUS	4.4660e-003	5.5490e-003
tblVehicleEF	UBUS	1.6100e-004	2.6100e-004
tblVehicleEF	UBUS	1.9350e-003	0.09
tblVehicleEF	UBUS	9.6880e-003	0.02
tblVehicleEF	UBUS	1.3100e-003	0.00
tblVehicleEF	UBUS	3.43	0.95
tblVehicleEF	UBUS	8.3800e-004	1.3110e-003
tblVehicleEF	UBUS	0.07	0.14
tblVehicleEF	UBUS	3.36	0.93
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	26.11	16.50
tblVehicleEF	UBUS	1.43	2.79
tblVehicleEF	UBUS	1,572.01	1,771.46
tblVehicleEF	UBUS	16.63	27.10
tblVehicleEF	UBUS	0.23	0.25

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.30	0.47
tblVehicleEF	UBUS	0.15	0.26
tblVehicleEF	UBUS	0.09	0.11
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	2.8020e-003	6.5900e-004
tblVehicleEF	UBUS	2.1900e-004	1.9200e-004
tblVehicleEF	UBUS	0.04	0.04
tblVehicleEF	UBUS	5.4780e-003	5.8730e-003
tblVehicleEF	UBUS	2.6610e-003	6.1000e-004
tblVehicleEF	UBUS	2.0200e-004	1.7600e-004
tblVehicleEF	UBUS	1.1530e-003	0.07
tblVehicleEF	UBUS	9.2230e-003	0.02
tblVehicleEF	UBUS	6.7300e-004	0.00
tblVehicleEF	UBUS	0.05	0.02
tblVehicleEF	UBUS	9.9400e-004	1.2930e-003
tblVehicleEF	UBUS	0.07	0.14
tblVehicleEF	UBUS	4.4660e-003	5.5490e-003
tblVehicleEF	UBUS	1.6500e-004	2.6800e-004
tblVehicleEF	UBUS	1.1530e-003	0.07
tblVehicleEF	UBUS	9.2230e-003	0.02
tblVehicleEF	UBUS	6.7300e-004	0.00
tblVehicleEF	UBUS	3.43	0.95
tblVehicleEF	UBUS	9.9400e-004	1.2930e-003
tblVehicleEF	UBUS	0.07	0.15
tblVehicleTrips	ST_TR	4.91	4.54
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.21	10.87
tblVehicleTrips	ST_TR	8.19	7.99

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	ST_TR	42.04	36.50
tblVehicleTrips	SU_TR	4.09	4.54
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	0.70	10.87
tblVehicleTrips	SU_TR	5.95	7.99
tblVehicleTrips	SU_TR	20.43	36.50
tblVehicleTrips	WD_TR	5.44	4.54
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	9.74	10.87
tblVehicleTrips	WD_TR	8.36	7.99
tblVehicleTrips	WD_TR	44.32	36.50
tblWoodstoves	NumberCatalytic	81.35	0.00
tblWoodstoves	NumberNoncatalytic	81.35	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	57.1211	24.4867	144.0078	0.1535		2.5994	2.5994		2.5994	2.5994	0.0000	29,528.0028	29,528.0028	0.7936	0.5369	29,707.8412
Energy	1.3878	12.2388	7.8319	0.0757		0.9588	0.9588		0.9588	0.9588		15,139.1101	15,139.1101	0.2902	0.2776	15,229.0742
Mobile	33.3918	24.0182	293.7925	0.6062	65.4130	0.3759	65.7889	16.2457	0.3489	16.5946		61,395.7939	61,395.7939	3.2330	2.2169	62,137.2505
Total	91.9006	60.7437	445.6322	0.8354	65.4130	3.9341	69.3470	16.2457	3.9071	20.1528	0.0000	106,062.9068	106,062.9068	4.3168	3.0313	107,074.1660

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	52.5392	1.2269	101.9980	4.6100e-003		0.5551	0.5551		0.5551	0.5551	0.0000	169.2926	169.2926	0.1215	0.0000	172.3312
Energy	1.1795	10.3892	6.5626	0.0643		0.8149	0.8149		0.8149	0.8149		12,867.0221	12,867.0221	0.2466	0.2359	12,943.4844
Mobile	28.7172	14.6959	177.6038	0.2973	31.1046	0.2041	31.3087	7.7250	0.1893	7.9143		30,111.7473	30,111.7473	2.4222	1.4529	30,605.2645
Total	82.4359	26.3120	286.1644	0.3663	31.1046	1.5741	32.6786	7.7250	1.5592	9.2842	0.0000	43,148.0620	43,148.0620	2.7903	1.6888	43,721.0801

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	10.30	56.68	35.78	56.16	52.45	59.99	52.88	52.45	60.09	53.93	0.00	59.32	59.32	35.36	44.29	59.17

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	3/14/2022	3/14/2022	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 9.48

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45

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
Building Construction	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.1 Mitigation Measures Construction

3.2 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	0.0000	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

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	0.0000
Vendor	0.0000	0.0000	0.0000	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
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

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Construction - 2022

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	0.0000	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

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	0.0000
Vendor	0.0000	0.0000	0.0000	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
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

4.0 Operational Detail - Mobile

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.1 Mitigation Measures Mobile

- Increase Density
- Increase Transit Accessibility
- Implement Trip Reduction Program
- Employee Vanpool/Shuttle
- Provide Riade Sharing Program

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	28.7172	14.6959	177.6038	0.2973	31.1046	0.2041	31.3087	7.7250	0.1893	7.9143		30,111.7473	30,111.7473	2.4222	1.4529	30,605.2645
Unmitigated	33.3918	24.0182	293.7925	0.6062	65.4130	0.3759	65.7889	16.2457	0.3489	16.5946		61,395.7939	61,395.7939	3.2330	2.2169	62,137.2505

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	7,390.00	7,390.00	7390.00	25,252,753	12,182,052
City Park	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	652.00	652.00	652.00	2,100,393	955,720
Hotel	2,158.00	2,158.00	2158.00	5,149,357	2,349,193
Strip Mall	876.00	876.00	876.00	1,666,673	760,838
Total	11,076.00	11,076.00	11,076.00	34,169,176	16,247,803

4.3 Trip Type Information

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Land Use	Miles			Trip %			Trip Purpose %		
	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	14.70	5.90	8.70	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
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.550222	0.063995	0.181756	0.141347	0.031986	0.000000	0.000000	0.000000	0.000000	0.000000	0.030695	0.000000	0.000000
City Park	0.550222	0.063995	0.181756	0.141347	0.031986	0.000000	0.000000	0.000000	0.000000	0.000000	0.030695	0.000000	0.000000
Enclosed Parking with Elevator	0.550222	0.063995	0.181756	0.141347	0.031986	0.000000	0.000000	0.000000	0.000000	0.000000	0.030695	0.000000	0.000000
General Office Building	0.550222	0.063995	0.181756	0.141347	0.031986	0.000000	0.000000	0.000000	0.000000	0.000000	0.030695	0.000000	0.000000
Hotel	0.550222	0.063995	0.181756	0.141347	0.031986	0.000000	0.000000	0.000000	0.000000	0.000000	0.030695	0.000000	0.000000
Strip Mall	0.550222	0.063995	0.181756	0.141347	0.031986	0.000000	0.000000	0.000000	0.000000	0.000000	0.030695	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Natural Gas Mitigated	1.1795	10.3892	6.5626	0.0643		0.8149	0.8149		0.8149	0.8149		12,867.0221	12,867.0221	0.2466	0.2359	12,943.4844
Natural Gas Unmitigated	1.3878	12.2388	7.8319	0.0757		0.9588	0.9588		0.9588	0.9588		15,139.1101	15,139.1101	0.2902	0.2776	15,229.0742

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	64109	0.6914	5.9081	2.5141	0.0377		0.4777	0.4777		0.4777	0.4777		7,542.2371	7,542.2371	0.1446	0.1383	7,587.0568
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
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
General Office Building	563.836	6.0800e-003	0.0553	0.0464	3.3000e-004		4.2000e-003	4.2000e-003		4.2000e-003	4.2000e-003		66.3336	66.3336	1.2700e-003	1.2200e-003	66.7278
Hotel	63864.9	0.6887	6.2613	5.2595	0.0376		0.4759	0.4759		0.4759	0.4759		7,513.5208	7,513.5208	0.1440	0.1378	7,558.1699
Strip Mall	144.658	1.5600e-003	0.0142	0.0119	9.0000e-005		1.0800e-003	1.0800e-003		1.0800e-003	1.0800e-003		17.0185	17.0185	3.3000e-004	3.1000e-004	17.1197
Total		1.3878	12.2388	7.8319	0.0757		0.9588	0.9588		0.9588	0.9588		15,139.1101	15,139.1101	0.2902	0.2776	15,229.0742

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

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	56.663	0.6111	5.2219	2.2221	0.0333		0.4222	0.4222		0.4222	0.4222		6,666.2351	6,666.2351	0.1278	0.1222	6,705.8492
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
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
General Office Building	0.451068	4.8600e-003	0.0442	0.0372	2.7000e-004		3.3600e-003	3.3600e-003		3.3600e-003	3.3600e-003		53.0669	53.0669	1.0200e-003	9.7000e-004	53.3822
Hotel	52.1359	0.5623	5.1114	4.2936	0.0307		0.3885	0.3885		0.3885	0.3885		6,133.6411	6,133.6411	0.1176	0.1125	6,170.0903
Strip Mall	0.119671	1.2900e-003	0.0117	9.8600e-003	7.0000e-005		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004		14.0790	14.0790	2.7000e-004	2.6000e-004	14.1626
Total		1.1795	10.3892	6.5626	0.0643		0.8149	0.8149		0.8149	0.8149		12,867.0221	12,867.0221	0.2466	0.2359	12,943.4844

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Electric Lawnmower
- Use Electric Leafblower
- Use Electric Chainsaw
- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	52.5392	1.2269	101.9980	4.6100e-003		0.5551	0.5551		0.5551	0.5551	0.0000	169.2926	169.2926	0.1215	0.0000	172.3312
Unmitigated	57.1211	24.4867	144.0078	0.1535		2.5994	2.5994		2.5994	2.5994	0.0000	29,528.0028	29,528.0028	0.7936	0.5369	29,707.8412

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	3.8384					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	46.5586					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	2.6846	22.9407	9.7620	0.1464		1.8548	1.8548		1.8548	1.8548	0.0000	29,286.0000	29,286.0000	0.5613	0.5369	29,460.0321
Landscaping	4.0396	1.5460	134.2458	7.1000e-003		0.7446	0.7446		0.7446	0.7446		242.0028	242.0028	0.2323		247.8092
Total	57.1211	24.4867	144.0078	0.1535		2.5994	2.5994		2.5994	2.5994	0.0000	29,528.0028	29,528.0028	0.7936	0.5369	29,707.8412

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

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	3.8384					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	46.5586					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	2.1422	1.2269	101.9980	4.6100e-003		0.5551	0.5551		0.5551	0.5551		169.2926	169.2926	0.1215		172.3312
Total	52.5392	1.2269	101.9980	4.6100e-003		0.5551	0.5551		0.5551	0.5551	0.0000	169.2926	169.2926	0.1215	0.0000	172.3312

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

Moreno Valley Redevelopment Project - Operations Mitigated - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation
