Appendix A

Air Quality Assessment

Kimley»Horn

MEMORANDUM

To:	Kari Cano, Project Manager
From:	Alex Pohlman Kimley-Horn and Associates, Inc.
Date:	August 23, 2022
Subject:	Fontana Square Project –Air Quality Consistency Analysis

1.0 PURPOSE

The purpose of this memorandum is to outline the impacts related to air quality, greenhouse gas (GHG), noise, and energy emissions associated with construction and operation of the revised Fontana Square Project ("revised Project") located in the City of Fontana, California. This consistency analysis has been undertaken to analyze whether the revised Project would result in any new or substantially more severe significant environmental impacts as compared to the conclusions discussed in *The Fontana Square Project Initial Study and Mitigated Negative Declaration* ("Original IS/MND" and "original Project"). Updated CEQA analysis is required only if Project revisions would lead to significantly different impacts to what was previously analyzed.

2.0 PROPOSED PROJECT

Project Location

The Project site is located in northern Fontana, in San Bernardino County (County). The proposed Project site is located at 16014 S. Highland Avenue, south of State Route (SR) 210 (SR 210), north of south Highland Avenue, east of Catawba Avenue, and west of Citrus Avenue, in the City of Fontana. The Project site is bounded by SR 210 to the north, S. Highland Avenue and single-family residential to the south, Citrus Avenue and vacant land to the east, and Catawba Avenue and vacant land to the west.

2.1 Original Project

The original Project proposed a commercial development composed of a banquet hall, a Holiday Inn Express Hotel & Suite, a Staybridge Suites, a convenience Store / restaurant, and an In-N-Out Burger. Due to the variety of services provided on-site, it is anticipated that the Holiday Inn Express Hotel and Staybridge Suites, will operate 24/7, 7 day per weeks, 365 days a year. However, the other businesses would operate during the regular business hours for that type of development.

2.2 Revised Project

The revised Project proposes similar uses but will expand the banquet hall and combined the Staybridge Suites and Holiday Inn Express into a single building. The convenience store / restaurant and In-N-Out Burger developments will remain unchanged. Similar to the original Project, it is anticipated that the hotels in the revised Project will operate 24/7, 7 day per weeks, 365 days a year

and the other businesses would operate during the regular business hours for that type of development.

2.3 Changes to Project

The Table 1: Differences Between Original and Revised Project

Project Components	Original Project	Revised Project	Change
Banquet Hall (Total Building Area)	Two Floors (33,934 SF)	Two Floors (38,907 SF)	(Increase of 4,973 SF)
Holiday Inn Express (Total Building Area) [Outdoor Pool and Deck]	Five Floors (61,184 SF) [2,119 SF)	Combined Hotel Five Floors (121,094 SF) [2,990 SF]	(Decrease of 27,969 SF) [Decrease of 534 SF]
Staybridge Suites (Total Building Area) [Outdoor Pool and Deck]	Five Floors (87,879 SF) [1,405 SF]		
Restaurant / Convenience Store (Total Building Area)	(5,000 SF)	(5,000 SF)	No Change
In-N-Out Burger (Total Building Area) [Outdoor Seating]	(3,885 SF) [500 SF]	(3,885 SF) [500 SF]	No Change
Total Development Area	195,906 SF	172,376 SF	Decrease of 23,530 SF
Total Building Footprint	64,164 SF	24,916 SF	Decrease of 39,248 SF
Parking Spaces	450	455	Increase of 5 spaces
Daily Vehicle Trips	4,573 ADT	4,393 ADT	Decrease of 180 ADT
SF= square feet, ADT = average daily trips			

As shown in Table 1: Differences Between Original and Revised Project, the original Project would include the same uses as the original Project but would expand the banquet hall and combine the two hotels. Overall, the revised Project would decrease the total development area by 23,530 SF and decrease the number of daily vehicle trips by 180.

3.0 PROJECT SPECIFIC ANALYSIS

3.1 Air Quality

Construction Emissions

Construction of the revised Project would be similar to the original project, except for the expansion of the banquet hall and the combination of the two hotel properties. The revised Project would reduce the overall building footprint area by 39,248 SF when compared with the original Project and would not require more intense construction activities or equipment, and thus, construction emissions are not anticipated to noticeably increase or result in additional impacts than those already analyzed in the Original IS/MND.

Further, the revised Project would adhere to Standard Conditions (SC) AQ-1 from the Original IS/MND, which would ensure that construction emissions would not exceed any significance thresholds. Therefore, the revised Project would not result in impacts beyond those identified in the Original IS/MND and no further analysis is required in this regard.

Operational Emissions

The revised Project would result in a net decrease of 23,530 square feet in total development area and a net decrease of 180 daily vehicle trips.[1] Thus, operational mobile emissions are anticipated to be less than those identified in the Original IS/MND, and energy emissions are not anticipated to noticeably increase or result in additional impacts compared to those analyzed in the Original IS/MND. Therefore, the revised Project would not result in impacts beyond those identified in the Original IS/MND and no further analysis is required in this regard.

[1] According to the trip generation data in the *Trip Generation Memo for the Proposed Fontana Square Project* prepared by Kimley-Horn (August 12, 2022).

Air Quality Assessment
Fontana Square Project
City of Fontana, California

Kimley»Horn
Expect More. Experience Better.

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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_2S	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_2H_3Cl	vinyl chloride
VOC	volatile organic compound

1 INTRODUCTION

This report documents the results of an Air Quality Assessment completed for the Fontana Square 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 in northern Fontana, in San Bernardino County (County); refer to Exhibit 1: Regional Vicinity. The proposed Project site is located at 16014 S. Highland Avenue, south of State Route (SR) 210 (SR 210), north of south Highland Avenue, east of Catawba Avenue, and west of Citrus Avenue, in the City of Fontana. The Project site is bounded by SR 210 to the north, S. Highland Avenue and single-family residential to the south, Citrus Avenue and vacant land to the east, and Catawba Avenue and vacant land to the west; Exhibit 2: Site Vicinity.

The Project site is a vacant rectangular-shaped site on 8.876-acres. Historical images show that the Project site was previously developed on the southern half of the site with residential dwelling units. The Project site is currently vacant and shows signs of ruderal grasses, but no native habitat remains on-site. The Project site has a General Plan land use designation of General Commercial (C-G) and is within the General Commercial (C-2) Zoning District.

1.2 Project Description

The proposed Project is a commercial development composed of a banquet hall (Development A), a Holiday Inn Express Hotel & Suite (Development B), a Staybridge Suites (Development C), a Convenience Store (C-Store)/Restaurant (Development D), and an In-N-Out Burger (Development E); refer to Exhibit 3: Conceptual Site Plan. Due to the variety of services provided on-site, it is anticipated that developments like the Developments B and C will operate 24/7, 7 day per weeks, 365 days a year. However, the balance of the proposed developments would operate during regular business hours for that type of development.

Development Area (A): Banquet Hall

The proposed Project consists of the construction of a new two-story (approximately 30' in height) banquet hall totaling approximately 33,934-square-feet with an 810-seating capacity. The banquet hall would be located on the northwest corner of the site on 1.65-acres of the overall Project site. Main entrance for guest would be provided on the east side of the building via two lobbies located on the northeast and southeast corners of the building. The building would provide a full kitchen, break room, dish washer, two dry storage rooms, walk in cooler, walk in freezer, men & women restrooms, and two bride rooms.

Development Area (B): Holiday Inn Express Hotel & Suites

Development B would be a 5-story building at approximately 59'-6" in height. The hotel would be generally located on the western half of the site on 2.28-acres of the overall Project site. The main entrance for guests would be provided on the east side of the building via one lobby located on the southeast corner of the building. Development B would provide 104 hotel rooms and associated amenities such as pool, hot tub, and patio.

Development Area (C): Staybridge Suites

Development C would be a 5-story building at approximately 59'-9" in height. The hotel would be generally located on the eastern half of the site on 2.6-acres of the overall Project site. The main entrance for guest would be located on the south side of the building via one lobby generally located on the southeast portion of the building. Development C would provide 117 hotel rooms and associated amenities such as pool, hot tub, and patio.

Development Area (D): C-Store Area/Restaurant

Development D would be a one-story building at approximately 22'-9" in height. The proposed use would be generally located on the eastern portion of the site and would have an approximate 3,750-square-feet of seating area. The main entrance would be located on the southeast corner of the building. Development D would provide sit-down dining opportunities, but tenants are to be determined.

Development Area (E): In-N-Out Burger

Development E would be a one-story building at approximately 22'-9" in height. The fast-food restaurant would be located on the northeast portion of the site and would be approximately 3,885-square-feet with 74 indoor seats and approximately 500-square feet of outdoor seating area. Development E would include a drive-thru and provide sit-down dining opportunities.

Landscaping

Landscaping would be provided on approximately 20 percent (65,155 square feet) of the Project site.

Project Circulation

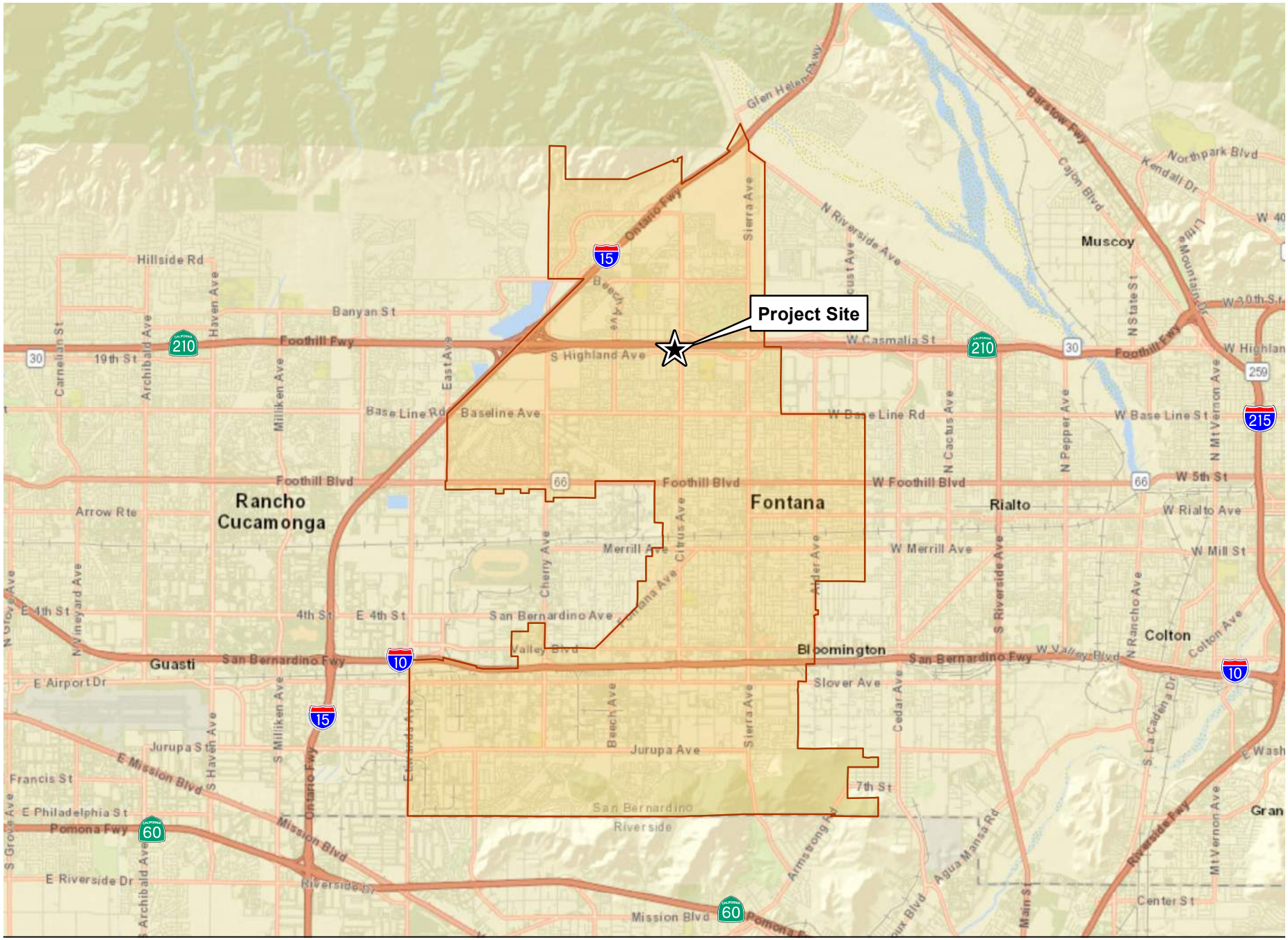
Main ingress and egress to the site (Driveway No.1) would be via a 56'-foot-wide driveway (Driveway No.1) located directly across from Tokay Avenue. Driveway No.1 would allow for full ingress movements on all directions but would only allow eastbound and westbound egress onto S. Highland Avenue. Driveway No. 2 is a 35'-foot-wide driveway located on the southwest corner of the site, directly across from Jacaranda Avenue. Driveway No.3 is an approximately 23'-foot-wide driveway located on the northwest corner of the site with direct access to Catawba Avenue. Driveway No. 4 is a 35'-foot-wide driveway located southeast portion of the site, directly across Cherimoya Avenue.

Parking

The Project would provide 450 parking stalls, with vehicle parking located throughout the site and between the various establishments.

Project Phasing and Construction

The Project is anticipated to be developed in one phase. Should the Project be approved, construction is anticipated to occur over a duration of approximately 18 months, beginning in March 2022 and completed by the end of August 2023.



Source: ESRI World Street Map

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EXHIBIT 1: Regional Vicinity
Fontana Square Project

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Kimley»Horn

Source: ESRI World Imagery

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EXHIBIT 2: Site Vicinity
Fontana Square Project

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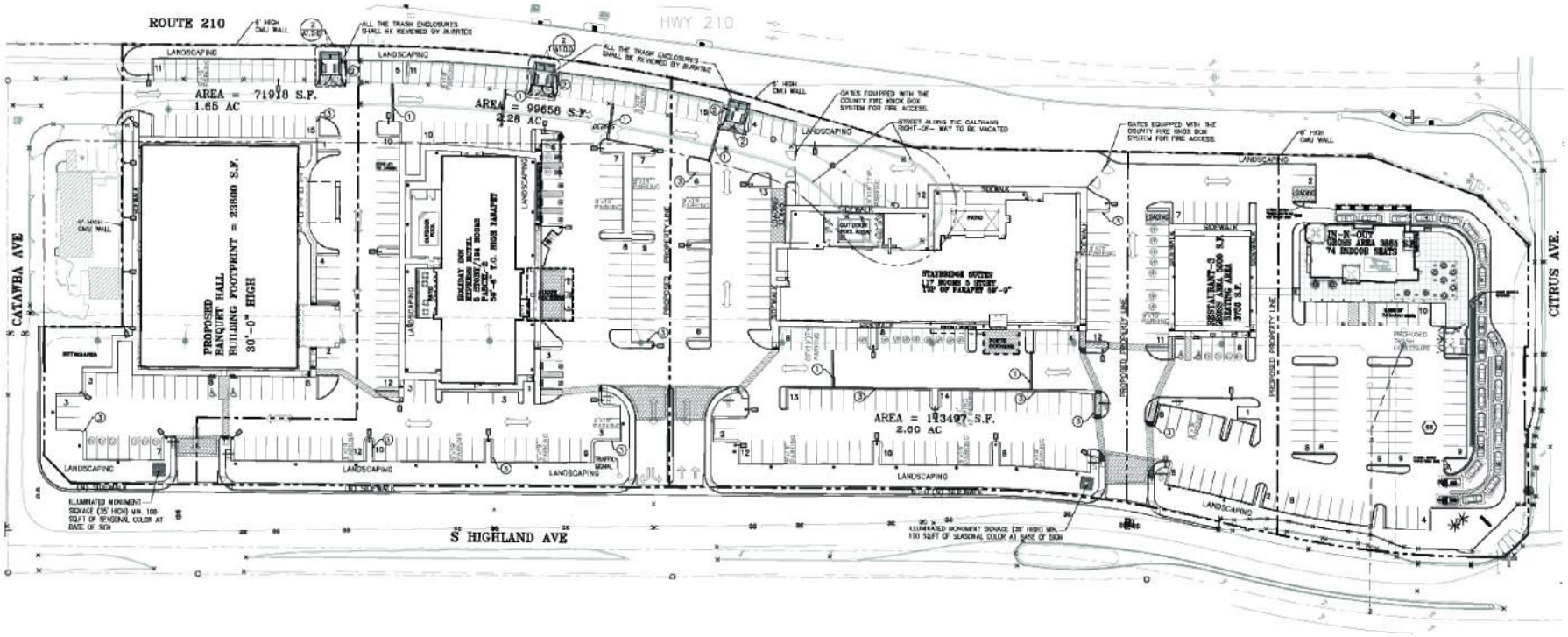

Source: ACE Design, Site Plan 5/3/2021

EXHIBIT 3: Conceptual Site Plan
Fontana Square Project

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Kimley»Horn

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 perimeter[1]. 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 (SO_2), coarse particulate matter (PM_{10}), fine particulate matter ($PM_{2.5}$), and lead are primary air pollutants. Of these, CO, NO_X, SO_2, PM_{10}, 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 (O_3) is formed by a chemical reaction between ROG and NO_X in the presence of sunlight. O_3 and nitrogen dioxide (NO_2) 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.

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,

Table 1: Air Contaminants and Associated Public Health Concerns		
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 ROGs and VOCs. Both ROGs 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), *Health Effects*, 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 O_3, PM_{10}, and $PM_{2.5}$. The closest air monitoring station to the Project that monitors ambient concentrations of these pollutants is the Fontana-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 (O_3) [1]			
1-hour Maximum Concentration (ppm)	0.141	0.124	0.151
8-hour Maximum Concentration (ppm)	0.111	0.109	0.111
Number of Days Standard Exceeded			
CAAQS 1-hour (>0.09 ppm)	38	41	56
NAAQS 8-hour (>0.070 ppm)	69	67	89
Carbon Monoxide (CO) [1]			
1-hour Maximum Concentration (ppm)	5.41	2.75	5.46
Number of Days Standard Exceeded			
NAAQS 1-hour (>35 ppm)	0	0	0
CAAQS 1-hour (>20 ppm)	0	0	0
Nitrogen Dioxide (NO_2) [1]			
1-hour Maximum Concentration (ppm)	0.063	0.076	0.066
Number of Days Standard Exceeded			
NAAQS 1-hour (>.100 ppm)	0	0	0
CAAQS 1-hour (>0.18 ppm)	0	0	0
Particulate Matter Less Than 10 Microns (PM_{10}) [1]			
National 24-hour Maximum Concentration	64.1	88.8	76.8
State 24-hour Maximum Concentration	61.5	85.1	73.6
State Annual Average Concentration (CAAQS=20 µg/m³)	—	—	—
Number of Days Standard Exceeded			
NAAQS 24-hour (>150 µg/m³)	0	0	0
CAAQS 24-hour (>50 µg/m³)	8	11	6
Particulate Matter Less Than 2.5 Microns ($PM_{2.5}$) [1]			
National 24-hour Maximum Concentration	29.2	81.3	57.6
State 24-hour Maximum Concentration	29.2	81.3	57.6
Number of Days Standard Exceeded			
NAAQS 24-hour (>35 µg/m³)	0	3	4

NAAQS = National Ambient Air Quality Standards; CAAQS = California Ambient Air Quality Standards; ppm = parts per million; µg/m³ = micrograms per cubic meter; – = not measured

[1] Measurements taken at the Fontana-Arrow Monitoring Station at 14360 Arrow Boulevard, Fontana, California 92335 (CARB# 36197)

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/qaweb/siteinfo.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. Sensitive land uses surrounding the Project consist mostly of residential communities. Sensitive land uses near the Project include single-family residential homes, approximately 105 feet to the south on the opposite side of S. Highland Avenue, single-family residential homes approximately 270 feet to the west on Highland Avenue, and a school, A.B. Miller High School, located approximately 1,600 feet to the southeast of the Project.

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 O_3, NO_2, CO, SO_2, PM_{10}, $PM_{2.5}$, 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 3: 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 3, 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 3.

Table 3: State and Federal Ambient Air Quality Standards

Pollutant	Averaging Time	State Standards[1]	Federal Standards[2]
Ozone (O_3) [2, 5, 7]	8 Hour	0.070 ppm (137 µg/m³)	0.070 ppm
	1 Hour	0.09 ppm (180 µg/m³)	NA
Carbon Monoxide (CO)	8 Hour	9.0 ppm (10 mg/m³)	9 ppm (10 mg/m³)
	1 Hour	20 ppm (23 mg/m³)	35 ppm (40 mg/m³)
Nitrogen Dioxide (NO_2)	1 Hour	0.18 ppm (339 µg/m³)	0.10 ppm[11]
	Annual Arithmetic Mean	0.030 ppm (57 µg/m³)	0.053 ppm (100 µg/m³)
Sulfur Dioxide (SO_2) [8]	24 Hour	0.04 ppm (105 µg/m³)	0.14 ppm (365 µg/m³)
	1 Hour	0.25 ppm (655 µg/m³)	0.075 ppm (196 µg/m³)
	Annual Arithmetic Mean	NA	0.03 ppm (80 µg/m³)
Particulate Matter (PM_{10}) [1, 3, 6]	24-Hour	50 µg/m³	150 µg/m³
	Annual Arithmetic Mean	20 µg/m³	NA
Fine Particulate Matter ($PM_{2.5}$) [3, 4, 6, 9]	24-Hour	NA	35 µg/m³
	Annual Arithmetic Mean	12 µg/m³	12 µg/m³
Sulfates (SO_{4-2})	24 Hour	25 µg/m³	NA
Lead (Pb) [10, 11]	30-Day Average	1.5 µg/m³	NA
	Calendar Quarter	NA	1.5 µg/m³
	Rolling 3-Month Average	NA	0.15 µg/m³
Hydrogen Sulfide (H_2S)	1 Hour	0.03 ppm (0.42 µg/m³)	NA
Vinyl Chloride (C_2H_3Cl) [10]	24 Hour	0.01 ppm (26 µg/m³)	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 O_3, carbon monoxide (except Lake Tahoe), sulfur dioxide (1-hour and 24-hour), nitrogen dioxide, suspended particulate matter - PM_{10}, 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 PM_{10} 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 O_3, particulates and those based on annual averages are not to be exceeded more than once a year. The 1-hour O_3 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 O_3 standard is attained when the 3-year average of the 4th highest daily concentrations is 0.070 ppm or less. The 24-hour PM_{10} standard is attained when the 3-year average of the 99th percentile of monitored concentrations is less than 150 µg/m_3. 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 PM_{10} 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 O_3 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 O_3 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 O_3 level in the area.

5 The national 1-hour O_3 standard was revoked by the EPA on June 15, 2005.

6 In June 2002, CARB established new annual standards for $PM_{2.5}$ and PM_{10}.

7 The 8-hour California O_3 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 SO_2 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 SO_2 NAAQS however must continue to be used until one year following EPA initial designations of the new 1-hour SO_2 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 O_3 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 4: South Coast Air Basin Attainment Status. The SCAB is currently designated as a nonattainment area with respect to the State O_3, PM_{10}, and $PM_{2.5}$ standards, as well as the national 8-hour O_3 and $PM_{2.5}$ standards. The SCAB is designated as attainment or unclassified for the remaining state and federal standards.

Table 4: South Coast Air Basin Attainment Status		
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_2S) (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 PM_{10} emissions from any transportation, handling, construction, or storage activity that has the potential to generate fugitive dust. PM_{10} 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 Fontana General Plan

Chapter 6, Building a Healthier Fontana of the City's General Plan identifies goals that will result in a healthier city. Goals and policies that relate to air quality impacts include the following:

Goal 1: The average lifespan in Fontana is consistently within the top ten of all southern California cities.

Policy 1.3: Support local and regional initiatives to improve air quality in order to reduce asthma while actively discouraging development that may exacerbate asthma.

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.

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 5: South Coast Air Quality Management District Emissions Thresholds.

Table 5: 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 though 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 NO_2, CO, PM_{10}, 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 Fontana is located within SCAQMD SRA 34. Table 6: Local Significance Thresholds for Construction/Operations, shows the LSTs for a 1-acre, 2-acre, and 5-acre project in SRA 34 with sensitive receptors located within 25 meters of the Project. LSTs associated with all acreage categories are provided in Table 6 for informational purposes. Table 6 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 6: 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	118/118	667/667	4/1	3/1
2 Acres	170/170	972/972	7/2	4/1
5 Acres	270/270	1,746/1,746	14/4	8/2

Source: South Coast Air Quality Management District, *Localized Significance Threshold Methodology,* 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). Project-generated increases in operational emissions would be predominantly associated with motor vehicle use. The increase of traffic over existing conditions as a result of the Project was obtained from the Project's Traffic Impact Analysis prepared by Kimley-Horn (October 2021). Other operational emissions from area, energy, and stationary sources were quantified in CalEEMod based on land use activity data.

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 and Table 8 below, the Project would not exceed the construction and operational emission standards. Thus, the Project would be 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 General Commercial (C-G) and is within the General Commercial (C-2) Zoning District. 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. Thus, the Project is consistent with the second criterion. Therefore, and impacts would be less than significant.

Mitigation Measures: No mitigation is required.

Level of Significance: Less than significant impact.

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 O_3-precursor pollutants (i.e. ROG and NO_X) and PM_{10} 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 eighteen months. Construction-generated emissions associated 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 7: Construction-Related Emissions.

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 PM_{10} 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 7: 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 ($PM_{2.5}$)**
2022	4.29	33.13	41.99	0.09	9.47	5.47
2023	28.34	17.92	25.78	0.06	3.52	1.45
SCAQMD Threshold	*75*	*100*	*550*	*150*	*150*	*55*
Exceed SCAQMD Threshold?	**No**	**No**	**No**	**No**	**No**	**No**
Notes: 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 stock piles 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. No mitigation was applied to construction equipment. Refer to Appendix A for Model Data Outputs.						
Source: CalEEMod version 2020.4.0. Refer to Appendix A for model outputs.						

As shown in Table 7, all criteria pollutant emissions would remain below their respective thresholds. While impacts would be considered less than significant, the Project would be subject to SCAQMD Rules 402, 403, and 1113, described in the Regulatory Framework subsection above and required by SC AQ-1.

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 8: Operational Emissions. The operational emissions sources are described below.

- **Area Source Emissions.** Area source emissions would be generated due to consumer products (e.g., fertilizers/pesticides, detergents; cleaning compounds; polishes; floor finishes; cosmetics; personal care products; home, lawn, and garden products; disinfectants; sanitizers; aerosol paints, etc.), architectural coating, and gasoline-powered landscaping equipment that were previously not present on the site.

- **Energy Source Emissions.** 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 for space heating and cooling, water heating, ventilation, lighting, appliances, and electronics.

- **Mobile Source.** 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, PM_{10}, and $PM_{2.5}$ are all pollutants of regional concern. NO_X and ROG react with sunlight to form O_3, known as photochemical smog. Additionally, wind currents readily transport PM_{10} 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 Analysis and incorporated into CalEEMod as recommended by the SCAQMD. Per the Project Traffic Impact Analysis, the Project would generate 4,924 daily vehicle trips.

Table 8: 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						
Area Source Emissions	4.40	<0.01	0.05	0.00	<0.01	<0.01
Energy Emissions	0.61	5.52	4.63	0.03	0.42	0.42
Mobile Emissions	13.79	7.23	81.45	0.67	14.49	4.85
Total Emissions	**18.79**	**12.75**	**86.13**	**0.70**	**14.92**	**5.27**
SCAQMD Threshold	*55*	*55*	*550*	*150*	*150*	*55*
Exceeds Threshold?	**No**	**No**	**No**	**No**	**No**	**No**
With GHG Mitigation						
Area Source Emissions	4.40	<0.01	0.05	0.00	<0.01	<0.01
Energy Emissions	0.49	4.44	3.73	0.03	0.34	0.34
Mobile Emissions	13.58	6.57	72.39	0.55	11.81	3.96
Total Emissions	**18.47**	**11.01**	**76.17**	**0.58**	**12.15**	**4.30**
SCAQMD Threshold	55	55	550	150	150	55
Exceeds Threshold?	**No**	**No**	**No**	**No**	**No**	**No**

Source: CalEEMod version 2020.4.0. Refer to Appendix A for model outputs.

As shown in Table 8, unmitigated operational emissions would remain below the SCAQMD criteria pollutant thresholds. Although mitigation is not required to reduce pollutants below SCAQMD criteria pollutant thresholds, mitigation is required to reduce greenhouse gas (GHG) emissions below City thresholds. Table 8 includes air quality improvements resulting from GHG mitigation for informational purposes only. All criteria pollutant emissions would remain below their respective thresholds during Project operations. Therefore, the Project would result in a less than significant impact.

Cumulative Construction Emissions

The SCAB is designated nonattainment for O_3, PM_{10}, and $PM_{2.5}$ for State standards and nonattainment for O_3 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 by themselves 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.

The SCAQMD has developed strategies to reduce criteria pollutant emissions outlined in the AQMP pursuant to the FCAA mandates. The analysis assumed fugitive dust controls would be utilized during construction, including frequent water applications. SCAQMD rules, mandates, and compliance with adopted AQMP emissions control measures would also be imposed on construction projects throughout the SCAB, which would include related projects. Compliance with SCAQMD rules and regulations would further reduce the Project construction-related impacts. Therefore, Project-related construction emissions, combined with those from other projects in the area, would not substantially deteriorate local air quality. Construction emissions associated with the Project would not result in a cumulatively considerable contribution to significant cumulative air quality impacts.

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 emissions do not exceed the SCAQMD thresholds. Therefore, the proposed Project would not generate a cumulatively considerable contribution to air pollutant emissions during construction.

Standard Conditions and Requirements:

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.

Mitigation Measures: No mitigation is required.

Level of Significance: Less than significant impact.

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

Localized Construction Significance Analysis

The nearest sensitive receptors are the single-family residences located 105 feet (32 meters) to the south of the Project on the opposite side of South Highland Avenue. 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 9: 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 Central San Bernardino Valley (SRA 34) since this area includes the Project. LSTs apply to CO, NO_2, PM_{10}, 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 3.5 acres in a single day.

Table 9: Equipment-Specific Disturbance Rates

Construction Phase	Equipment Type	Equipment Quantity	Acres Disturbed per 8-Hour Day	Operating Hours per Day	Acres Graded per Day
Site Preparation	Tractors	4	0.5	8	2.0
	Dozers	3	0.5	8	1.5
				Total Acres Graded per Day	**3.5**

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 single-family residences located 105 feet (32 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 30 meters and utilized in this analysis. Table 10: Localized Significance of Construction Emissions, presents the results of localized emissions during construction.

Table 10: Localized Significance of Construction Emissions				
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 (2022)	25.72	20.59	3.43	1.49
Site Preparation (2022)	33.08	19.70	9.28	5.42
Grading (2022)	20.86	15.27	3.70	2.20
Building Construction (2022)	15.62	16.36	0.81	0.76
Building Construction (2023)	14.38	16.24	0.70	0.66
Paving (2023)	11.12	14.58	0.57	0.52
Architectural Coating (2023)	1.30	1.81	0.07	0.07
SCAQMD Localized Screening Threshold (3.5 acres at 30 meters)	*226*	*1,473*	*15*	*6*
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 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

Interpolated LSTs for receptors located at 30 meters for SRA 34 were used in this analysis. The project site is approximately 8.7 acres, the 5-acre threshold was conservatively used for evaluation of operational emissions. As noted above, the LSTs increase as site acreage increases. Therefore, the 5-acre LSTs are conservative for evaluation of a 8.7-acre site. The on-site operational emissions are compared to the LST thresholds in Table 11: Localized Significance of Operational Emissions. Table 11 shows that the maximum daily emissions of these pollutants during Project operations 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 operational activities.

Table 11: Localized Significance of Operational Emissions				
Activity	**(Maximum Pounds Per Day)**			
	Nitrogen Oxide (NO_x)	**Carbon Monoxide (CO)**	**Coarse Particulate Matter (PM_{10})**	**Fine Particulate Matter ($PM_{2.5}$)**
On-Site Area and Energy Source Emissions	5.52	4.68	0.42	0.42
SCAQMD Localized Screening Threshold (adjusted for 5 acres at 30 meters)	*276*	*1,876*	*5*	*2*
Exceed SCAQMD Threshold?	**No**	**No**	**No**	**No**
Source: CalEEMod version 2020.4.0. Refer to Appendix A for model outputs.				

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 Program[2] 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 ozone 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 ozone may be formed at a distance downwind from the sources. Breathing ground-level ozone 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 tightness, wheezing, or shortness of breath. In addition to these effects, evidence from observational studies strongly indicates that higher daily ozone 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 ozone can make asthma symptoms worse and can increase sensitivity to asthma triggers.

According 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

[2] 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)

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 previously discussed, localized effects of on-site Project emissions on nearby receptors were found to be less than significant (refer to Table 10 and 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 such as asthmatics, children, and the elderly. 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.

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, O_3, and NO_2. Table1 includes a list of criteria pollutants and summarizes common sources and effects. Thus, this analysis is reasonable and intended to foster informed decision making.

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 South Coast Air Basin (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/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. Based on data within the Project Traffic Impact Analysis, the surrounding roadways would have maximum ADT volume of 44,541 during the horizon year plus Project scenario. Therefore, the Project 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/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 4,753 additional vehicle trips attributable to the Project. Therefore, the Project would not result in a CO hotspot and 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: No mitigation is required.

Level of Significance: Less than significant impact.

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. Ace Design LLC, Fontana Square Site Plan, May 2021.
2. California Air Pollution Control Officers Association (CAPCOA), *Health Effects*, 2018.
3. California Air Pollution Control Officers Association (CAPCOA), *Health Risk Assessments for Proposed Land Use Projects*, 2009.
4. California Air Resources Board, *Aerometric Data Analysis and Measurement System (ADAM) Top Four Summaries from 2018 to 2020*, 2021.
5. California Air Resources Board, *Air Quality and Land Use Handbook: A Community Health Perspective*, 2005.
6. California Air Resources Board, *Current Air Quality Standards*, 2016.
7. California Air Resources Board, *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles*, 2000.
8. City of Fontana, *General Plan Update 2015-2035*, November 2018
9. Federal Highway Administration*, Interim Guidance on Mobile Source Air Toxic Analysis in NEPA Documents,* 2016.
10. Kimley-Horn, *Traffic Impact Analysis for the Proposed Fontana Square Project*, October 2021.
11. Office of Environmental Health Hazard Assessment, *Air Toxics Hot Spots Program Risk Assessment Guidelines*, 2015.
12. South Coast Air Quality Management District, *2016 Air Quality Management Plan,* March 2017.
13. South Coast Air Quality Management District, *CEQA Air Quality Handbook*, 1993.
14. South Coast Air Quality Management District, *Localized Significance Threshold Methodology*, 2009.
15. United States Environmental Protection Agency, *National Ambient Air Quality Standards Table*, 2016.
16. United States Environmental Protection Agency, *Nonattainment Areas for Criteria Pollutants*, 2019.
17. United States Environmental Protection Agency, *Policy Assessment for the Review of the Lead National Ambient Air Quality Standards*, 2013.

Appendix A

Air Quality Modeling Data

Fontana Square - San Bernardino-South Coast County, Summer

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

Fontana Square

San Bernardino-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	243.16	1000sqft	5.58	243,165.00	0
City Park	2.05	Acre	2.05	89,315.00	0
Fast Food Restaurant with Drive Thru	3.88	1000sqft	0.09	3,885.00	0
High Turnover (Sit Down Restaurant)	5.00	1000sqft	0.11	5,000.00	0
Hotel	104.00	Room	0.31	61,184.00	0
Hotel	117.00	Room	0.18	87,879.00	0
Quality Restaurant	23.80	1000sqft	0.55	33,934.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2023
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 - EMFAC2021 mobile rates include SAFE Rule adjustment, therefore EMFAC Off-Model Adjustment Factors is turned off to prevent double counting

Land Use - Land uses based on Site Plan 5-3-2021, landscape shown as City Park, Parking includes paved areas, drive aisles, parking spaces.

Construction Phase - Construction schedule

Demolition - construction schedule, demo existing asphalt

Grading -

Fontana Square - San Bernardino-South Coast County, Winter

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

Fontana Square

San Bernardino-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	243.16	1000sqft	5.58	243,165.00	0
City Park	2.05	Acre	2.05	89,315.00	0
Fast Food Restaurant with Drive Thru	3.88	1000sqft	0.09	3,885.00	0
High Turnover (Sit Down Restaurant)	5.00	1000sqft	0.11	5,000.00	0
Hotel	104.00	Room	0.31	61,184.00	0
Hotel	117.00	Room	0.18	87,879.00	0
Quality Restaurant	23.80	1000sqft	0.55	33,934.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

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Land Use - Land uses based on Site Plan 5-3-2021, landscape shown as City Park, Parking includes paved areas, drive aisles, parking spaces.

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Demolition - construction schedule, demo existing asphalt

Grading -

Fontana Square - San Bernardino-South Coast County, Winter

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

Vehicle Trips - Source: TIA Table 3.

Vehicle Emission Factors - EMFAC2021 San Bernardino(SC) 2023

Vehicle Emission Factors - EMFAC2021 San Bernardino(SC) 2023

Vehicle Emission Factors - EMFAC2021 San Bernardino(SC) 2023

Construction Off-road Equipment Mitigation - SCAQMD RULE 403 required - not mitigation

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Energy Mitigation - CalGreen Tier 2, Energy Efficient Appliances

Water Mitigation - building code requiements - not mitigation

Waste Mitigation -

Fleet Mix - project fleetmix, project will not generate trips from heavy trucks, buses, motorhomes

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	10.00	18.00
tblConstructionPhase	NumDays	20.00	43.00
tblConstructionPhase	NumDays	230.00	261.00
tblConstructionPhase	NumDays	20.00	43.00
tblConstructionPhase	NumDays	20.00	66.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.54	0.56
tblFleetMix	MH	5.0710e-003	0.00
tblFleetMix	OBUS	5.5900e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	UBUS	2.5400e-004	0.00
tblLandUse	LandUseSquareFeet	243,160.00	243,165.00

Fontana Square - San Bernardino-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	89,298.00	89,315.00
tblLandUse	LandUseSquareFeet	3,880.00	3,885.00
tblLandUse	LandUseSquareFeet	151,008.00	61,184.00
tblLandUse	LandUseSquareFeet	169,884.00	87,879.00
tblLandUse	LandUseSquareFeet	23,800.00	33,934.00
tblLandUse	LotAcreage	3.47	0.31
tblLandUse	LotAcreage	3.90	0.18
tblVehicleEF	HHD	0.03	0.24
tblVehicleEF	HHD	0.06	0.16
tblVehicleEF	HHD	8.67	5.37
tblVehicleEF	HHD	0.33	0.87
tblVehicleEF	HHD	2.3220e-003	1.7450e-003
tblVehicleEF	HHD	1,424.58	849.11
tblVehicleEF	HHD	1,311.47	1,579.61
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.22	0.14
tblVehicleEF	HHD	0.21	0.25
tblVehicleEF	HHD	8.0000e-006	1.8000e-005
tblVehicleEF	HHD	7.12	4.09
tblVehicleEF	HHD	2.15	1.83
tblVehicleEF	HHD	2.33	2.60
tblVehicleEF	HHD	3.0350e-003	2.2980e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.02
tblVehicleEF	HHD	1.0000e-006	2.0000e-006
tblVehicleEF	HHD	2.9040e-003	2.1950e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.9160e-003	8.8030e-003

Fontana Square - San Bernardino-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	3.0000e-006	4.0700e-004
tblVehicleEF	HHD	8.8000e-005	1.0200e-004
tblVehicleEF	HHD	0.58	0.32
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	3.6000e-005	1.0400e-004
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.01	7.2550e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	3.0000e-006	4.0700e-004
tblVehicleEF	HHD	8.8000e-005	1.0200e-004
tblVehicleEF	HHD	0.67	0.60
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	0.08	0.18
tblVehicleEF	HHD	3.6000e-005	1.0400e-004
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.03	0.24
tblVehicleEF	HHD	0.06	0.16
tblVehicleEF	HHD	8.55	5.30
tblVehicleEF	HHD	0.33	0.87
tblVehicleEF	HHD	2.1790e-003	1.6480e-003
tblVehicleEF	HHD	1,406.97	840.66
tblVehicleEF	HHD	1,311.48	1,579.61
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.22	0.14
tblVehicleEF	HHD	0.21	0.25
tblVehicleEF	HHD	8.0000e-006	1.8000e-005
tblVehicleEF	HHD	6.79	3.92

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

tblVehicleEF	HHD	2.03	1.73
tblVehicleEF	HHD	2.33	2.60
tblVehicleEF	HHD	2.6730e-003	2.0160e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.02
tblVehicleEF	HHD	1.0000e-006	2.0000e-006
tblVehicleEF	HHD	2.5570e-003	1.9250e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.9160e-003	8.8030e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	6.0000e-006	6.2700e-004
tblVehicleEF	HHD	1.0300e-004	1.1200e-004
tblVehicleEF	HHD	0.62	0.34
tblVehicleEF	HHD	4.0000e-006	0.00
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	3.7000e-005	1.1200e-004
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.01	7.1750e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	6.0000e-006	6.2700e-004
tblVehicleEF	HHD	1.0300e-004	1.1200e-004
tblVehicleEF	HHD	0.71	0.62
tblVehicleEF	HHD	4.0000e-006	0.00
tblVehicleEF	HHD	0.08	0.18
tblVehicleEF	HHD	3.7000e-005	1.1200e-004
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.03	0.24
tblVehicleEF	HHD	0.06	0.16

Fontana Square - San Bernardino-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	8.83	5.46
tblVehicleEF	HHD	0.33	0.87
tblVehicleEF	HHD	2.2920e-003	1.7320e-003
tblVehicleEF	HHD	1,448.88	860.79
tblVehicleEF	HHD	1,311.47	1,579.61
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.23	0.14
tblVehicleEF	HHD	0.21	0.25
tblVehicleEF	HHD	8.0000e-006	1.8000e-005
tblVehicleEF	HHD	7.59	4.33
tblVehicleEF	HHD	2.12	1.80
tblVehicleEF	HHD	2.33	2.60
tblVehicleEF	HHD	3.5360e-003	2.6880e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.02
tblVehicleEF	HHD	1.0000e-006	2.0000e-006
tblVehicleEF	HHD	3.3830e-003	2.5680e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.9160e-003	8.8030e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	3.0000e-006	4.1700e-004
tblVehicleEF	HHD	1.0400e-004	1.0100e-004
tblVehicleEF	HHD	0.54	0.30
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	3.8000e-005	1.1000e-004
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.01	7.3660e-003

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	3.0000e-006	4.1700e-004
tblVehicleEF	HHD	1.0400e-004	1.0100e-004
tblVehicleEF	HHD	0.62	0.57
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	0.08	0.18
tblVehicleEF	HHD	3.8000e-005	1.1000e-004
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	LDA	2.1370e-003	2.3980e-003
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.60	0.76
tblVehicleEF	LDA	2.09	2.94
tblVehicleEF	LDA	253.45	274.29
tblVehicleEF	LDA	52.23	68.42
tblVehicleEF	LDA	4.3970e-003	4.5810e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.17	0.24
tblVehicleEF	LDA	0.04	7.2870e-003
tblVehicleEF	LDA	1.3750e-003	1.2970e-003
tblVehicleEF	LDA	1.7750e-003	2.0870e-003
tblVehicleEF	LDA	0.02	2.5510e-003
tblVehicleEF	LDA	1.2660e-003	1.1930e-003
tblVehicleEF	LDA	1.6320e-003	1.9190e-003
tblVehicleEF	LDA	0.06	0.32
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.05	0.00
tblVehicleEF	LDA	8.0100e-003	9.0450e-003
tblVehicleEF	LDA	0.02	0.02

Fontana Square - San Bernardino-South Coast County, Winter

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

tblVehicleEF	LDA	0.21	0.30
tblVehicleEF	LDA	2.5070e-003	2.7110e-003
tblVehicleEF	LDA	5.1700e-004	6.7600e-004
tblVehicleEF	LDA	0.06	0.32
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.05	0.00
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.23	0.33
tblVehicleEF	LDA	2.4510e-003	2.5500e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.74	1.02
tblVehicleEF	LDA	1.74	2.47
tblVehicleEF	LDA	276.74	297.55
tblVehicleEF	LDA	51.56	67.52
tblVehicleEF	LDA	4.1180e-003	4.0760e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.16	0.22
tblVehicleEF	LDA	0.04	7.2870e-003
tblVehicleEF	LDA	1.3750e-003	1.2970e-003
tblVehicleEF	LDA	1.7750e-003	2.0870e-003
tblVehicleEF	LDA	0.02	2.5510e-003
tblVehicleEF	LDA	1.2660e-003	1.1930e-003
tblVehicleEF	LDA	1.6320e-003	1.9190e-003
tblVehicleEF	LDA	0.11	0.43
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.10	0.00
tblVehicleEF	LDA	9.0880e-003	9.4980e-003

Fontana Square - San Bernardino-South Coast County, Winter

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

tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.17	0.26
tblVehicleEF	LDA	2.7380e-003	2.9410e-003
tblVehicleEF	LDA	5.1000e-004	6.6800e-004
tblVehicleEF	LDA	0.11	0.43
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.10	0.00
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.19	0.29
tblVehicleEF	LDA	2.0850e-003	2.3780e-003
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.57	0.71
tblVehicleEF	LDA	2.06	2.95
tblVehicleEF	LDA	247.99	270.02
tblVehicleEF	LDA	52.17	68.43
tblVehicleEF	LDA	4.2170e-003	4.4630e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.17	0.24
tblVehicleEF	LDA	0.04	7.2870e-003
tblVehicleEF	LDA	1.3750e-003	1.2970e-003
tblVehicleEF	LDA	1.7750e-003	2.0870e-003
tblVehicleEF	LDA	0.02	2.5510e-003
tblVehicleEF	LDA	1.2660e-003	1.1930e-003
tblVehicleEF	LDA	1.6320e-003	1.9190e-003
tblVehicleEF	LDA	0.06	0.33
tblVehicleEF	LDA	0.11	0.09
tblVehicleEF	LDA	0.04	0.00

Fontana Square - San Bernardino-South Coast County, Winter

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

tblVehicleEF	LDA	7.8040e-003	8.9700e-003
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.21	0.31
tblVehicleEF	LDA	2.4530e-003	2.6690e-003
tblVehicleEF	LDA	5.1600e-004	6.7700e-004
tblVehicleEF	LDA	0.06	0.33
tblVehicleEF	LDA	0.11	0.09
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.22	0.34
tblVehicleEF	LDT1	6.0730e-003	0.01
tblVehicleEF	LDT1	0.08	0.14
tblVehicleEF	LDT1	1.27	2.19
tblVehicleEF	LDT1	2.34	6.89
tblVehicleEF	LDT1	300.86	345.88
tblVehicleEF	LDT1	63.56	92.32
tblVehicleEF	LDT1	8.3810e-003	0.01
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.11	0.21
tblVehicleEF	LDT1	0.28	0.50
tblVehicleEF	LDT1	0.04	9.0190e-003
tblVehicleEF	LDT1	2.0070e-003	2.4360e-003
tblVehicleEF	LDT1	2.6380e-003	3.7560e-003
tblVehicleEF	LDT1	0.02	3.1570e-003
tblVehicleEF	LDT1	1.8470e-003	2.2410e-003
tblVehicleEF	LDT1	2.4260e-003	3.4530e-003
tblVehicleEF	LDT1	0.18	1.01
tblVehicleEF	LDT1	0.24	0.25

Fontana Square - San Bernardino-South Coast County, Winter

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

tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.03	0.05
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.39	0.73
tblVehicleEF	LDT1	2.9770e-003	3.4190e-003
tblVehicleEF	LDT1	6.2900e-004	9.1300e-004
tblVehicleEF	LDT1	0.18	1.01
tblVehicleEF	LDT1	0.24	0.25
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.04	0.07
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.43	0.80
tblVehicleEF	LDT1	6.8930e-003	0.01
tblVehicleEF	LDT1	0.06	0.12
tblVehicleEF	LDT1	1.54	2.91
tblVehicleEF	LDT1	1.94	5.73
tblVehicleEF	LDT1	325.15	373.01
tblVehicleEF	LDT1	62.71	90.12
tblVehicleEF	LDT1	7.7740e-003	0.01
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.10	0.18
tblVehicleEF	LDT1	0.26	0.46
tblVehicleEF	LDT1	0.04	9.0190e-003
tblVehicleEF	LDT1	2.0070e-003	2.4360e-003
tblVehicleEF	LDT1	2.6380e-003	3.7560e-003
tblVehicleEF	LDT1	0.02	3.1570e-003
tblVehicleEF	LDT1	1.8470e-003	2.2410e-003
tblVehicleEF	LDT1	2.4260e-003	3.4530e-003
tblVehicleEF	LDT1	0.36	1.35

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

tblVehicleEF	LDT1	0.30	0.27
tblVehicleEF	LDT1	0.27	0.00
tblVehicleEF	LDT1	0.03	0.05
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.33	0.63
tblVehicleEF	LDT1	3.2180e-003	3.6880e-003
tblVehicleEF	LDT1	6.2100e-004	8.9100e-004
tblVehicleEF	LDT1	0.36	1.35
tblVehicleEF	LDT1	0.30	0.27
tblVehicleEF	LDT1	0.27	0.00
tblVehicleEF	LDT1	0.04	0.07
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.36	0.68
tblVehicleEF	LDT1	5.9330e-003	0.01
tblVehicleEF	LDT1	0.08	0.14
tblVehicleEF	LDT1	1.21	2.05
tblVehicleEF	LDT1	2.30	6.91
tblVehicleEF	LDT1	295.11	340.90
tblVehicleEF	LDT1	63.48	92.36
tblVehicleEF	LDT1	8.0360e-003	0.01
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.10	0.20
tblVehicleEF	LDT1	0.27	0.49
tblVehicleEF	LDT1	0.04	9.0190e-003
tblVehicleEF	LDT1	2.0070e-003	2.4360e-003
tblVehicleEF	LDT1	2.6380e-003	3.7560e-003
tblVehicleEF	LDT1	0.02	3.1570e-003
tblVehicleEF	LDT1	1.8470e-003	2.2410e-003
tblVehicleEF	LDT1	2.4260e-003	3.4530e-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	0.18	1.01
tblVehicleEF	LDT1	0.28	0.25
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.03	0.05
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.39	0.74
tblVehicleEF	LDT1	2.9200e-003	3.3700e-003
tblVehicleEF	LDT1	6.2800e-004	9.1300e-004
tblVehicleEF	LDT1	0.18	1.01
tblVehicleEF	LDT1	0.28	0.25
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.04	0.07
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.42	0.81
tblVehicleEF	LDT2	3.7960e-003	3.3920e-003
tblVehicleEF	LDT2	0.07	0.09
tblVehicleEF	LDT2	0.89	0.98
tblVehicleEF	LDT2	2.68	3.69
tblVehicleEF	LDT2	319.22	354.29
tblVehicleEF	LDT2	67.70	89.12
tblVehicleEF	LDT2	6.7470e-003	6.7820e-003
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.28	0.35
tblVehicleEF	LDT2	0.04	8.5120e-003
tblVehicleEF	LDT2	1.4480e-003	1.3600e-003
tblVehicleEF	LDT2	1.8650e-003	2.1460e-003
tblVehicleEF	LDT2	0.02	2.9790e-003
tblVehicleEF	LDT2	1.3330e-003	1.2510e-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	1.7150e-003	1.9730e-003
tblVehicleEF	LDT2	0.10	0.35
tblVehicleEF	LDT2	0.14	0.09
tblVehicleEF	LDT2	0.08	0.00
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.06	0.03
tblVehicleEF	LDT2	0.32	0.40
tblVehicleEF	LDT2	3.1580e-003	3.5020e-003
tblVehicleEF	LDT2	6.7000e-004	8.8100e-004
tblVehicleEF	LDT2	0.10	0.35
tblVehicleEF	LDT2	0.14	0.09
tblVehicleEF	LDT2	0.08	0.00
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.03
tblVehicleEF	LDT2	0.35	0.43
tblVehicleEF	LDT2	4.3360e-003	3.6050e-003
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	1.08	1.31
tblVehicleEF	LDT2	2.22	3.09
tblVehicleEF	LDT2	342.62	379.01
tblVehicleEF	LDT2	66.80	87.98
tblVehicleEF	LDT2	6.2920e-003	6.0440e-003
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.26	0.33
tblVehicleEF	LDT2	0.04	8.5120e-003
tblVehicleEF	LDT2	1.4480e-003	1.3600e-003
tblVehicleEF	LDT2	1.8650e-003	2.1460e-003
tblVehicleEF	LDT2	0.02	2.9790e-003

Fontana Square - San Bernardino-South Coast County, Winter

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

tblVehicleEF	LDT2	1.3330e-003	1.2510e-003
tblVehicleEF	LDT2	1.7150e-003	1.9730e-003
tblVehicleEF	LDT2	0.20	0.46
tblVehicleEF	LDT2	0.17	0.10
tblVehicleEF	LDT2	0.17	0.00
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.06	0.03
tblVehicleEF	LDT2	0.27	0.34
tblVehicleEF	LDT2	3.3900e-003	3.7470e-003
tblVehicleEF	LDT2	6.6100e-004	8.7000e-004
tblVehicleEF	LDT2	0.20	0.46
tblVehicleEF	LDT2	0.17	0.10
tblVehicleEF	LDT2	0.17	0.00
tblVehicleEF	LDT2	0.03	0.02
tblVehicleEF	LDT2	0.06	0.03
tblVehicleEF	LDT2	0.29	0.37
tblVehicleEF	LDT2	3.7060e-003	3.3640e-003
tblVehicleEF	LDT2	0.07	0.09
tblVehicleEF	LDT2	0.84	0.92
tblVehicleEF	LDT2	2.64	3.70
tblVehicleEF	LDT2	313.67	349.75
tblVehicleEF	LDT2	67.63	89.15
tblVehicleEF	LDT2	6.4690e-003	6.6100e-003
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.28	0.35
tblVehicleEF	LDT2	0.04	8.5120e-003
tblVehicleEF	LDT2	1.4480e-003	1.3600e-003
tblVehicleEF	LDT2	1.8650e-003	2.1460e-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	0.02	2.9790e-003
tblVehicleEF	LDT2	1.3330e-003	1.2510e-003
tblVehicleEF	LDT2	1.7150e-003	1.9730e-003
tblVehicleEF	LDT2	0.10	0.36
tblVehicleEF	LDT2	0.16	0.09
tblVehicleEF	LDT2	0.08	0.00
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.07	0.03
tblVehicleEF	LDT2	0.32	0.40
tblVehicleEF	LDT2	3.1030e-003	3.4570e-003
tblVehicleEF	LDT2	6.6900e-004	8.8100e-004
tblVehicleEF	LDT2	0.10	0.36
tblVehicleEF	LDT2	0.16	0.09
tblVehicleEF	LDT2	0.08	0.00
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.03
tblVehicleEF	LDT2	0.35	0.44
tblVehicleEF	LHD1	4.7400e-003	5.2860e-003
tblVehicleEF	LHD1	5.8910e-003	0.00
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.17	0.19
tblVehicleEF	LHD1	0.80	0.00
tblVehicleEF	LHD1	1.00	1.90
tblVehicleEF	LHD1	9.29	9.03
tblVehicleEF	LHD1	639.64	0.00
tblVehicleEF	LHD1	10.59	16.55
tblVehicleEF	LHD1	8.6300e-004	7.3100e-004
tblVehicleEF	LHD1	0.04	0.00
tblVehicleEF	LHD1	0.02	0.03

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

tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.40	0.00
tblVehicleEF	LHD1	0.30	0.42
tblVehicleEF	LHD1	9.6300e-004	7.8000e-004
tblVehicleEF	LHD1	0.08	0.00
tblVehicleEF	LHD1	9.9840e-003	0.00
tblVehicleEF	LHD1	0.01	0.00
tblVehicleEF	LHD1	2.5100e-004	2.5000e-004
tblVehicleEF	LHD1	9.2200e-004	7.4600e-004
tblVehicleEF	LHD1	0.03	0.00
tblVehicleEF	LHD1	2.4960e-003	0.00
tblVehicleEF	LHD1	0.01	0.00
tblVehicleEF	LHD1	2.3100e-004	2.3000e-004
tblVehicleEF	LHD1	3.0110e-003	0.15
tblVehicleEF	LHD1	0.08	0.04
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.4760e-003	0.00
tblVehicleEF	LHD1	0.06	0.00
tblVehicleEF	LHD1	0.23	0.07
tblVehicleEF	LHD1	0.07	0.11
tblVehicleEF	LHD1	9.0000e-005	8.8000e-005
tblVehicleEF	LHD1	6.2250e-003	0.00
tblVehicleEF	LHD1	1.0500e-004	1.6400e-004
tblVehicleEF	LHD1	3.0110e-003	0.15
tblVehicleEF	LHD1	0.08	0.04
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.4760e-003	0.00
tblVehicleEF	LHD1	0.08	0.00
tblVehicleEF	LHD1	0.23	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	LHD1	0.08	0.12
tblVehicleEF	LHD1	4.7550e-003	5.3050e-003
tblVehicleEF	LHD1	6.0290e-003	0.00
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.17	0.19
tblVehicleEF	LHD1	0.82	0.00
tblVehicleEF	LHD1	0.93	1.80
tblVehicleEF	LHD1	9.29	9.03
tblVehicleEF	LHD1	639.67	0.00
tblVehicleEF	LHD1	10.48	16.38
tblVehicleEF	LHD1	8.6600e-004	7.3300e-004
tblVehicleEF	LHD1	0.04	0.00
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.31	0.00
tblVehicleEF	LHD1	0.28	0.41
tblVehicleEF	LHD1	9.6300e-004	7.8000e-004
tblVehicleEF	LHD1	0.08	0.00
tblVehicleEF	LHD1	9.9840e-003	0.00
tblVehicleEF	LHD1	0.01	0.00
tblVehicleEF	LHD1	2.5100e-004	2.5000e-004
tblVehicleEF	LHD1	9.2200e-004	7.4600e-004
tblVehicleEF	LHD1	0.03	0.00
tblVehicleEF	LHD1	2.4960e-003	0.00
tblVehicleEF	LHD1	0.01	0.00
tblVehicleEF	LHD1	2.3100e-004	2.3000e-004
tblVehicleEF	LHD1	5.9530e-003	0.19
tblVehicleEF	LHD1	0.10	0.04
tblVehicleEF	LHD1	0.02	0.02

Fontana Square - San Bernardino-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	3.3570e-003	0.00
tblVehicleEF	LHD1	0.06	0.00
tblVehicleEF	LHD1	0.23	0.08
tblVehicleEF	LHD1	0.07	0.11
tblVehicleEF	LHD1	9.0000e-005	8.8000e-005
tblVehicleEF	LHD1	6.2250e-003	0.00
tblVehicleEF	LHD1	1.0400e-004	1.6200e-004
tblVehicleEF	LHD1	5.9530e-003	0.19
tblVehicleEF	LHD1	0.10	0.04
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	3.3570e-003	0.00
tblVehicleEF	LHD1	0.08	0.00
tblVehicleEF	LHD1	0.23	0.08
tblVehicleEF	LHD1	0.08	0.12
tblVehicleEF	LHD1	4.7430e-003	5.2890e-003
tblVehicleEF	LHD1	5.9060e-003	0.00
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.17	0.19
tblVehicleEF	LHD1	0.80	0.00
tblVehicleEF	LHD1	0.98	1.89
tblVehicleEF	LHD1	9.29	9.03
tblVehicleEF	LHD1	639.64	0.00
tblVehicleEF	LHD1	10.56	16.53
tblVehicleEF	LHD1	8.6400e-004	7.3100e-004
tblVehicleEF	LHD1	0.04	0.00
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.37	0.00
tblVehicleEF	LHD1	0.29	0.42

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

tblVehicleEF	LHD1	9.6300e-004	7.8000e-004
tblVehicleEF	LHD1	0.08	0.00
tblVehicleEF	LHD1	9.9840e-003	0.00
tblVehicleEF	LHD1	0.01	0.00
tblVehicleEF	LHD1	2.5100e-004	2.5000e-004
tblVehicleEF	LHD1	9.2200e-004	7.4600e-004
tblVehicleEF	LHD1	0.03	0.00
tblVehicleEF	LHD1	2.4960e-003	0.00
tblVehicleEF	LHD1	0.01	0.00
tblVehicleEF	LHD1	2.3100e-004	2.3000e-004
tblVehicleEF	LHD1	3.3060e-003	0.15
tblVehicleEF	LHD1	0.10	0.04
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.4540e-003	0.00
tblVehicleEF	LHD1	0.06	0.00
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD1	0.07	0.11
tblVehicleEF	LHD1	9.0000e-005	8.8000e-005
tblVehicleEF	LHD1	6.2250e-003	0.00
tblVehicleEF	LHD1	1.0500e-004	1.6300e-004
tblVehicleEF	LHD1	3.3060e-003	0.15
tblVehicleEF	LHD1	0.10	0.04
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.4540e-003	0.00
tblVehicleEF	LHD1	0.08	0.00
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD1	0.08	0.12
tblVehicleEF	LHD2	3.2120e-003	3.6570e-003
tblVehicleEF	LHD2	3.8080e-003	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	LHD2	8.8900e-003	0.01
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.51	0.00
tblVehicleEF	LHD2	0.59	1.23
tblVehicleEF	LHD2	14.47	13.83
tblVehicleEF	LHD2	639.77	0.00
tblVehicleEF	LHD2	7.60	10.85
tblVehicleEF	LHD2	1.8270e-003	1.6410e-003
tblVehicleEF	LHD2	0.06	0.00
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.50	0.00
tblVehicleEF	LHD2	0.19	0.28
tblVehicleEF	LHD2	1.4160e-003	1.2630e-003
tblVehicleEF	LHD2	0.09	0.00
tblVehicleEF	LHD2	0.01	0.00
tblVehicleEF	LHD2	0.01	0.00
tblVehicleEF	LHD2	1.2000e-004	1.1800e-004
tblVehicleEF	LHD2	1.3540e-003	1.2080e-003
tblVehicleEF	LHD2	0.04	0.00
tblVehicleEF	LHD2	2.6970e-003	0.00
tblVehicleEF	LHD2	0.01	0.00
tblVehicleEF	LHD2	1.1000e-004	1.0900e-004
tblVehicleEF	LHD2	1.4710e-003	0.09
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7000e-004	0.00
tblVehicleEF	LHD2	0.06	0.00
tblVehicleEF	LHD2	0.10	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	LHD2	0.04	0.07
tblVehicleEF	LHD2	1.3800e-004	1.3300e-004
tblVehicleEF	LHD2	6.1710e-003	0.00
tblVehicleEF	LHD2	7.5000e-005	1.0700e-004
tblVehicleEF	LHD2	1.4710e-003	0.09
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7000e-004	0.00
tblVehicleEF	LHD2	0.07	0.00
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	0.05	0.08
tblVehicleEF	LHD2	3.2210e-003	3.6710e-003
tblVehicleEF	LHD2	3.8460e-003	0.00
tblVehicleEF	LHD2	8.4910e-003	0.01
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.51	0.00
tblVehicleEF	LHD2	0.55	1.17
tblVehicleEF	LHD2	14.47	13.83
tblVehicleEF	LHD2	639.78	0.00
tblVehicleEF	LHD2	7.54	10.75
tblVehicleEF	LHD2	1.8280e-003	1.6420e-003
tblVehicleEF	LHD2	0.06	0.00
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.41	0.00
tblVehicleEF	LHD2	0.18	0.27
tblVehicleEF	LHD2	1.4160e-003	1.2630e-003
tblVehicleEF	LHD2	0.09	0.00
tblVehicleEF	LHD2	0.01	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	LHD2	0.01	0.00
tblVehicleEF	LHD2	1.2000e-004	1.1800e-004
tblVehicleEF	LHD2	1.3540e-003	1.2080e-003
tblVehicleEF	LHD2	0.04	0.00
tblVehicleEF	LHD2	2.6970e-003	0.00
tblVehicleEF	LHD2	0.01	0.00
tblVehicleEF	LHD2	1.1000e-004	1.0900e-004
tblVehicleEF	LHD2	2.8510e-003	0.11
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.6830e-003	0.00
tblVehicleEF	LHD2	0.06	0.00
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	0.04	0.07
tblVehicleEF	LHD2	1.3800e-004	1.3300e-004
tblVehicleEF	LHD2	6.1710e-003	0.00
tblVehicleEF	LHD2	7.5000e-005	1.0600e-004
tblVehicleEF	LHD2	2.8510e-003	0.11
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.6830e-003	0.00
tblVehicleEF	LHD2	0.07	0.00
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	3.2130e-003	3.6590e-003
tblVehicleEF	LHD2	3.8130e-003	0.00
tblVehicleEF	LHD2	8.8150e-003	0.01
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.51	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	LHD2	0.58	1.22
tblVehicleEF	LHD2	14.47	13.83
tblVehicleEF	LHD2	639.77	0.00
tblVehicleEF	LHD2	7.59	10.84
tblVehicleEF	LHD2	1.8270e-003	1.6410e-003
tblVehicleEF	LHD2	0.06	0.00
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.47	0.00
tblVehicleEF	LHD2	0.19	0.28
tblVehicleEF	LHD2	1.4160e-003	1.2630e-003
tblVehicleEF	LHD2	0.09	0.00
tblVehicleEF	LHD2	0.01	0.00
tblVehicleEF	LHD2	0.01	0.00
tblVehicleEF	LHD2	1.2000e-004	1.1800e-004
tblVehicleEF	LHD2	1.3540e-003	1.2080e-003
tblVehicleEF	LHD2	0.04	0.00
tblVehicleEF	LHD2	2.6970e-003	0.00
tblVehicleEF	LHD2	0.01	0.00
tblVehicleEF	LHD2	1.1000e-004	1.0900e-004
tblVehicleEF	LHD2	1.5290e-003	0.09
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.5000e-004	0.00
tblVehicleEF	LHD2	0.06	0.00
tblVehicleEF	LHD2	0.11	0.04
tblVehicleEF	LHD2	0.04	0.07
tblVehicleEF	LHD2	1.3800e-004	1.3300e-004
tblVehicleEF	LHD2	6.1710e-003	0.00

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

tblVehicleEF	LHD2	7.5000e-005	1.0700e-004
tblVehicleEF	LHD2	1.5290e-003	0.09
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.5000e-004	0.00
tblVehicleEF	LHD2	0.07	0.00
tblVehicleEF	LHD2	0.11	0.04
tblVehicleEF	LHD2	0.05	0.08
tblVehicleEF	MCY	0.33	0.60
tblVehicleEF	MCY	0.25	0.18
tblVehicleEF	MCY	20.35	0.60
tblVehicleEF	MCY	8.81	7.76
tblVehicleEF	MCY	210.81	0.60
tblVehicleEF	MCY	61.22	50.02
tblVehicleEF	MCY	0.07	0.60
tblVehicleEF	MCY	0.02	8.5240e-003
tblVehicleEF	MCY	1.16	0.60
tblVehicleEF	MCY	0.27	0.14
tblVehicleEF	MCY	0.01	0.60
tblVehicleEF	MCY	4.0000e-003	0.60
tblVehicleEF	MCY	1.8550e-003	0.60
tblVehicleEF	MCY	2.9310e-003	3.3930e-003
tblVehicleEF	MCY	5.0400e-003	0.60
tblVehicleEF	MCY	1.0000e-003	0.60
tblVehicleEF	MCY	1.7350e-003	0.60
tblVehicleEF	MCY	2.7590e-003	3.1930e-003
tblVehicleEF	MCY	1.45	2.52
tblVehicleEF	MCY	0.83	3.59
tblVehicleEF	MCY	0.79	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	MCY	2.21	0.60
tblVehicleEF	MCY	0.41	0.60
tblVehicleEF	MCY	1.89	1.35
tblVehicleEF	MCY	2.0860e-003	0.60
tblVehicleEF	MCY	6.0600e-004	4.9400e-004
tblVehicleEF	MCY	1.45	2.52
tblVehicleEF	MCY	0.83	3.59
tblVehicleEF	MCY	0.79	0.00
tblVehicleEF	MCY	2.72	0.60
tblVehicleEF	MCY	0.41	0.60
tblVehicleEF	MCY	2.06	1.47
tblVehicleEF	MCY	0.32	0.52
tblVehicleEF	MCY	0.22	0.16
tblVehicleEF	MCY	20.49	0.52
tblVehicleEF	MCY	7.97	7.04
tblVehicleEF	MCY	210.83	0.52
tblVehicleEF	MCY	58.99	48.33
tblVehicleEF	MCY	0.06	0.52
tblVehicleEF	MCY	0.01	8.3590e-003
tblVehicleEF	MCY	0.99	0.52
tblVehicleEF	MCY	0.25	0.14
tblVehicleEF	MCY	0.01	0.52
tblVehicleEF	MCY	4.0000e-003	0.52
tblVehicleEF	MCY	1.8550e-003	0.52
tblVehicleEF	MCY	2.9310e-003	3.3930e-003
tblVehicleEF	MCY	5.0400e-003	0.52
tblVehicleEF	MCY	1.0000e-003	0.52
tblVehicleEF	MCY	1.7350e-003	0.52
tblVehicleEF	MCY	2.7590e-003	3.1930e-003

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

tblVehicleEF	MCY	3.14	3.84
tblVehicleEF	MCY	1.27	3.76
tblVehicleEF	MCY	2.11	0.00
tblVehicleEF	MCY	2.16	0.52
tblVehicleEF	MCY	0.41	0.52
tblVehicleEF	MCY	1.62	1.18
tblVehicleEF	MCY	2.0860e-003	0.52
tblVehicleEF	MCY	5.8400e-004	4.7800e-004
tblVehicleEF	MCY	3.14	3.84
tblVehicleEF	MCY	1.27	3.76
tblVehicleEF	MCY	2.11	0.00
tblVehicleEF	MCY	2.65	0.52
tblVehicleEF	MCY	0.41	0.52
tblVehicleEF	MCY	1.77	1.29
tblVehicleEF	MCY	0.32	0.58
tblVehicleEF	MCY	0.24	0.18
tblVehicleEF	MCY	19.44	0.58
tblVehicleEF	MCY	8.46	7.64
tblVehicleEF	MCY	209.24	0.58
tblVehicleEF	MCY	60.43	49.76
tblVehicleEF	MCY	0.07	0.58
tblVehicleEF	MCY	0.02	8.5300e-003
tblVehicleEF	MCY	1.12	0.58
tblVehicleEF	MCY	0.26	0.14
tblVehicleEF	MCY	0.01	0.58
tblVehicleEF	MCY	4.0000e-003	0.58
tblVehicleEF	MCY	1.8550e-003	0.58
tblVehicleEF	MCY	2.9310e-003	3.3930e-003
tblVehicleEF	MCY	5.0400e-003	0.58

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

tblVehicleEF	MCY	1.0000e-003	0.58
tblVehicleEF	MCY	1.7350e-003	0.58
tblVehicleEF	MCY	2.7590e-003	3.1930e-003
tblVehicleEF	MCY	1.70	2.59
tblVehicleEF	MCY	1.11	3.60
tblVehicleEF	MCY	0.71	0.00
tblVehicleEF	MCY	2.18	0.58
tblVehicleEF	MCY	0.47	0.58
tblVehicleEF	MCY	1.82	1.33
tblVehicleEF	MCY	2.0710e-003	0.58
tblVehicleEF	MCY	5.9800e-004	4.9200e-004
tblVehicleEF	MCY	1.70	2.59
tblVehicleEF	MCY	1.11	3.60
tblVehicleEF	MCY	0.71	0.00
tblVehicleEF	MCY	2.68	0.58
tblVehicleEF	MCY	0.47	0.58
tblVehicleEF	MCY	1.98	1.44
tblVehicleEF	MDV	4.8920e-003	4.9910e-003
tblVehicleEF	MDV	0.08	0.11
tblVehicleEF	MDV	1.03	1.22
tblVehicleEF	MDV	3.15	4.22
tblVehicleEF	MDV	398.16	433.60
tblVehicleEF	MDV	84.05	109.37
tblVehicleEF	MDV	9.3660e-003	0.01
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.35	0.50
tblVehicleEF	MDV	0.04	8.7870e-003
tblVehicleEF	MDV	1.5440e-003	1.5200e-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	1.9430e-003	2.3190e-003
tblVehicleEF	MDV	0.02	3.0750e-003
tblVehicleEF	MDV	1.4240e-003	1.4020e-003
tblVehicleEF	MDV	1.7870e-003	2.1330e-003
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.10	0.00
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.41	0.57
tblVehicleEF	MDV	3.9360e-003	4.2840e-003
tblVehicleEF	MDV	8.3200e-004	1.0810e-003
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.10	0.00
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.45	0.63
tblVehicleEF	MDV	5.5990e-003	5.3090e-003
tblVehicleEF	MDV	0.07	0.10
tblVehicleEF	MDV	1.25	1.62
tblVehicleEF	MDV	2.60	3.53
tblVehicleEF	MDV	422.98	459.32
tblVehicleEF	MDV	82.96	108.00
tblVehicleEF	MDV	8.7990e-003	9.0850e-003
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.33	0.46
tblVehicleEF	MDV	0.04	8.7870e-003

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

tblVehicleEF	MDV	1.5440e-003	1.5200e-003
tblVehicleEF	MDV	1.9430e-003	2.3190e-003
tblVehicleEF	MDV	0.02	3.0750e-003
tblVehicleEF	MDV	1.4240e-003	1.4020e-003
tblVehicleEF	MDV	1.7870e-003	2.1330e-003
tblVehicleEF	MDV	0.23	0.59
tblVehicleEF	MDV	0.19	0.12
tblVehicleEF	MDV	0.21	0.00
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.35	0.49
tblVehicleEF	MDV	4.1820e-003	4.5380e-003
tblVehicleEF	MDV	8.2100e-004	1.0680e-003
tblVehicleEF	MDV	0.23	0.59
tblVehicleEF	MDV	0.19	0.12
tblVehicleEF	MDV	0.21	0.00
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.38	0.54
tblVehicleEF	MDV	4.7660e-003	4.9450e-003
tblVehicleEF	MDV	0.08	0.11
tblVehicleEF	MDV	0.97	1.14
tblVehicleEF	MDV	3.10	4.23
tblVehicleEF	MDV	392.28	428.88
tblVehicleEF	MDV	83.96	109.40
tblVehicleEF	MDV	9.0200e-003	9.8660e-003
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.35	0.49

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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	0.04	8.7870e-003
tblVehicleEF	MDV	1.5440e-003	1.5200e-003
tblVehicleEF	MDV	1.9430e-003	2.3190e-003
tblVehicleEF	MDV	0.02	3.0750e-003
tblVehicleEF	MDV	1.4240e-003	1.4020e-003
tblVehicleEF	MDV	1.7870e-003	2.1330e-003
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.18	0.11
tblVehicleEF	MDV	0.09	0.00
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.07	0.04
tblVehicleEF	MDV	0.41	0.58
tblVehicleEF	MDV	3.8780e-003	4.2380e-003
tblVehicleEF	MDV	8.3100e-004	1.0820e-003
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.18	0.11
tblVehicleEF	MDV	0.09	0.00
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.07	0.04
tblVehicleEF	MDV	0.45	0.63
tblVehicleEF	MH	0.01	6.7000e-005
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.31	3.3450e-003
tblVehicleEF	MH	2.12	2.43
tblVehicleEF	MH	1,476.34	5.6320e-003
tblVehicleEF	MH	18.76	22.86
tblVehicleEF	MH	0.06	2.0000e-006
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.55	1.40

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

tblVehicleEF	MH	0.24	0.30
tblVehicleEF	MH	0.13	0.00
tblVehicleEF	MH	0.01	0.00
tblVehicleEF	MH	0.04	0.00
tblVehicleEF	MH	2.5200e-004	2.8800e-004
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	3.2820e-003	5.4900e-004
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	2.3200e-004	2.6500e-004
tblVehicleEF	MH	1.13	35.88
tblVehicleEF	MH	0.07	8.79
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.02	2.1970e-003
tblVehicleEF	MH	0.10	0.11
tblVehicleEF	MH	0.01	5.8000e-005
tblVehicleEF	MH	1.8600e-004	2.2600e-004
tblVehicleEF	MH	1.13	35.88
tblVehicleEF	MH	0.07	8.79
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.08	7.2750e-003
tblVehicleEF	MH	0.02	2.1970e-003
tblVehicleEF	MH	0.11	0.12
tblVehicleEF	MH	0.01	6.9000e-005
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.36	3.5990e-003
tblVehicleEF	MH	1.94	2.26
tblVehicleEF	MH	1,476.41	5.6330e-003
tblVehicleEF	MH	18.45	22.57

Fontana Square - San Bernardino-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	2.0000e-006
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.43	1.30
tblVehicleEF	MH	0.23	0.29
tblVehicleEF	MH	0.13	0.00
tblVehicleEF	MH	0.01	0.00
tblVehicleEF	MH	0.04	0.00
tblVehicleEF	MH	2.5200e-004	2.8800e-004
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	3.2820e-003	5.1800e-004
tblVehicleEF	MH	0.04	0.13
tblVehicleEF	MH	2.3200e-004	2.6500e-004
tblVehicleEF	MH	2.24	47.68
tblVehicleEF	MH	0.08	9.57
tblVehicleEF	MH	0.95	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.02	2.2970e-003
tblVehicleEF	MH	0.09	0.11
tblVehicleEF	MH	0.01	6.2000e-005
tblVehicleEF	MH	1.8300e-004	2.2300e-004
tblVehicleEF	MH	2.24	47.68
tblVehicleEF	MH	0.08	9.57
tblVehicleEF	MH	0.95	0.00
tblVehicleEF	MH	0.09	8.1800e-003
tblVehicleEF	MH	0.02	2.2970e-003
tblVehicleEF	MH	0.10	0.12
tblVehicleEF	MH	0.01	6.7000e-005
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.32	3.4470e-003

Fontana Square - San Bernardino-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	2.10	2.44
tblVehicleEF	MH	1,476.34	5.6320e-003
tblVehicleEF	MH	18.73	22.87
tblVehicleEF	MH	0.06	2.0000e-006
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.52	1.37
tblVehicleEF	MH	0.24	0.29
tblVehicleEF	MH	0.13	0.00
tblVehicleEF	MH	0.01	0.00
tblVehicleEF	MH	0.04	0.00
tblVehicleEF	MH	2.5200e-004	2.8800e-004
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	3.2820e-003	5.4000e-004
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	2.3200e-004	2.6500e-004
tblVehicleEF	MH	1.31	35.90
tblVehicleEF	MH	0.08	8.73
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.02	2.2630e-003
tblVehicleEF	MH	0.10	0.11
tblVehicleEF	MH	0.01	6.0000e-005
tblVehicleEF	MH	1.8500e-004	2.2600e-004
tblVehicleEF	MH	1.31	35.90
tblVehicleEF	MH	0.08	8.73
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.08	7.2340e-003
tblVehicleEF	MH	0.02	2.2630e-003
tblVehicleEF	MH	0.11	0.12

Fontana Square - San Bernardino-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	3.1530e-003	0.02
tblVehicleEF	MHD	1.3810e-003	7.8470e-003
tblVehicleEF	MHD	8.3340e-003	6.8570e-003
tblVehicleEF	MHD	0.34	0.64
tblVehicleEF	MHD	0.18	0.27
tblVehicleEF	MHD	0.93	0.80
tblVehicleEF	MHD	65.85	161.27
tblVehicleEF	MHD	964.19	1,139.31
tblVehicleEF	MHD	8.18	6.64
tblVehicleEF	MHD	9.5300e-003	0.03
tblVehicleEF	MHD	0.13	0.15
tblVehicleEF	MHD	6.4400e-003	4.6830e-003
tblVehicleEF	MHD	0.37	0.86
tblVehicleEF	MHD	0.98	0.80
tblVehicleEF	MHD	1.74	1.47
tblVehicleEF	MHD	3.3600e-004	1.6770e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	7.7530e-003	9.8340e-003
tblVehicleEF	MHD	9.6000e-005	7.7000e-005
tblVehicleEF	MHD	3.2200e-004	1.6040e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	7.4140e-003	9.4040e-003
tblVehicleEF	MHD	8.9000e-005	7.1000e-005
tblVehicleEF	MHD	5.4500e-004	0.02
tblVehicleEF	MHD	0.02	5.4430e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.8100e-004	0.00
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.02	0.01

Fontana Square - San Bernardino-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	0.04	0.04
tblVehicleEF	MHD	6.2500e-004	1.4860e-003
tblVehicleEF	MHD	9.1890e-003	0.01
tblVehicleEF	MHD	8.1000e-005	6.6000e-005
tblVehicleEF	MHD	5.4500e-004	0.02
tblVehicleEF	MHD	0.02	5.4430e-003
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	2.8100e-004	0.00
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.05	0.04
tblVehicleEF	MHD	3.0020e-003	0.02
tblVehicleEF	MHD	1.4140e-003	7.8840e-003
tblVehicleEF	MHD	7.9510e-003	6.5850e-003
tblVehicleEF	MHD	0.30	0.60
tblVehicleEF	MHD	0.19	0.27
tblVehicleEF	MHD	0.87	0.75
tblVehicleEF	MHD	65.73	160.06
tblVehicleEF	MHD	964.20	1,139.32
tblVehicleEF	MHD	8.08	6.57
tblVehicleEF	MHD	9.4800e-003	0.02
tblVehicleEF	MHD	0.13	0.15
tblVehicleEF	MHD	6.3090e-003	4.6080e-003
tblVehicleEF	MHD	0.36	0.83
tblVehicleEF	MHD	0.92	0.75
tblVehicleEF	MHD	1.74	1.47
tblVehicleEF	MHD	2.8600e-004	1.4240e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	7.7530e-003	9.8340e-003

Fontana Square - San Bernardino-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	9.6000e-005	7.7000e-005
tblVehicleEF	MHD	2.7400e-004	1.3620e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	7.4140e-003	9.4040e-003
tblVehicleEF	MHD	8.9000e-005	7.1000e-005
tblVehicleEF	MHD	1.0730e-003	0.04
tblVehicleEF	MHD	0.02	5.9140e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.4100e-004	0.00
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	6.2400e-004	1.4740e-003
tblVehicleEF	MHD	9.1890e-003	0.01
tblVehicleEF	MHD	8.0000e-005	6.5000e-005
tblVehicleEF	MHD	1.0730e-003	0.04
tblVehicleEF	MHD	0.02	5.9140e-003
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	6.4100e-004	0.00
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	3.3770e-003	0.02
tblVehicleEF	MHD	1.3840e-003	7.8470e-003
tblVehicleEF	MHD	8.2380e-003	6.8090e-003
tblVehicleEF	MHD	0.41	0.71
tblVehicleEF	MHD	0.18	0.27
tblVehicleEF	MHD	0.92	0.79
tblVehicleEF	MHD	66.01	162.94

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

tblVehicleEF	MHD	964.19	1,139.31
tblVehicleEF	MHD	8.16	6.63
tblVehicleEF	MHD	9.6050e-003	0.03
tblVehicleEF	MHD	0.13	0.15
tblVehicleEF	MHD	6.3970e-003	4.6640e-003
tblVehicleEF	MHD	0.38	0.90
tblVehicleEF	MHD	0.96	0.78
tblVehicleEF	MHD	1.74	1.47
tblVehicleEF	MHD	4.0500e-004	2.0270e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	7.7530e-003	9.8340e-003
tblVehicleEF	MHD	9.6000e-005	7.7000e-005
tblVehicleEF	MHD	3.8700e-004	1.9380e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	7.4140e-003	9.4040e-003
tblVehicleEF	MHD	8.9000e-005	7.1000e-005
tblVehicleEF	MHD	5.8500e-004	0.03
tblVehicleEF	MHD	0.02	5.4070e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.7500e-004	0.00
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	6.2600e-004	1.5010e-003
tblVehicleEF	MHD	9.1890e-003	0.01
tblVehicleEF	MHD	8.1000e-005	6.6000e-005
tblVehicleEF	MHD	5.8500e-004	0.03
tblVehicleEF	MHD	0.02	5.4070e-003
tblVehicleEF	MHD	0.02	0.04

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

tblVehicleEF	MHD	2.7500e-004	0.00
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.05	0.04
tblVehicleEF	OBUS	9.0500e-003	0.02
tblVehicleEF	OBUS	7.0260e-003	0.04
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.49	0.51
tblVehicleEF	OBUS	0.84	1.03
tblVehicleEF	OBUS	2.67	2.80
tblVehicleEF	OBUS	64.20	70.75
tblVehicleEF	OBUS	1,447.03	1,470.48
tblVehicleEF	OBUS	21.60	23.17
tblVehicleEF	OBUS	7.8950e-003	9.3020e-003
tblVehicleEF	OBUS	0.08	0.12
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.22	0.27
tblVehicleEF	OBUS	0.89	1.11
tblVehicleEF	OBUS	0.65	0.67
tblVehicleEF	OBUS	7.5000e-005	6.8900e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	6.2060e-003	0.02
tblVehicleEF	OBUS	2.3200e-004	2.5900e-004
tblVehicleEF	OBUS	7.2000e-005	6.5900e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	5.9170e-003	0.02
tblVehicleEF	OBUS	2.1400e-004	2.3800e-004
tblVehicleEF	OBUS	2.7710e-003	0.13
tblVehicleEF	OBUS	0.03	0.03

Fontana Square - San Bernardino-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	0.05	0.05
tblVehicleEF	OBUS	1.1450e-003	0.00
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.13	0.14
tblVehicleEF	OBUS	6.1300e-004	6.4000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.1400e-004	2.2900e-004
tblVehicleEF	OBUS	2.7710e-003	0.13
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	1.1450e-003	0.00
tblVehicleEF	OBUS	0.05	0.11
tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.14	0.15
tblVehicleEF	OBUS	9.1220e-003	0.02
tblVehicleEF	OBUS	7.2340e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.49	0.50
tblVehicleEF	OBUS	0.86	1.05
tblVehicleEF	OBUS	2.45	2.60
tblVehicleEF	OBUS	63.54	70.21
tblVehicleEF	OBUS	1,447.07	1,470.51
tblVehicleEF	OBUS	21.23	22.84
tblVehicleEF	OBUS	7.7990e-003	9.2220e-003
tblVehicleEF	OBUS	0.08	0.11
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.21	0.25
tblVehicleEF	OBUS	0.81	1.03

Fontana Square - San Bernardino-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	0.64	0.66
tblVehicleEF	OBUS	6.7000e-005	5.8700e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	6.2060e-003	0.02
tblVehicleEF	OBUS	2.3200e-004	2.5900e-004
tblVehicleEF	OBUS	6.4000e-005	5.6100e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	5.9170e-003	0.02
tblVehicleEF	OBUS	2.1400e-004	2.3800e-004
tblVehicleEF	OBUS	5.3950e-003	0.18
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	2.6270e-003	0.00
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.12	0.13
tblVehicleEF	OBUS	6.0700e-004	6.3500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.1000e-004	2.2600e-004
tblVehicleEF	OBUS	5.3950e-003	0.18
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.06	0.08
tblVehicleEF	OBUS	2.6270e-003	0.00
tblVehicleEF	OBUS	0.05	0.11
tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.13	0.14
tblVehicleEF	OBUS	8.9910e-003	0.02
tblVehicleEF	OBUS	7.0490e-003	0.04
tblVehicleEF	OBUS	0.02	0.03

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

tblVehicleEF	OBUS	0.50	0.52
tblVehicleEF	OBUS	0.84	1.03
tblVehicleEF	OBUS	2.65	2.80
tblVehicleEF	OBUS	65.11	71.50
tblVehicleEF	OBUS	1,447.04	1,470.48
tblVehicleEF	OBUS	21.57	23.18
tblVehicleEF	OBUS	8.0390e-003	9.4210e-003
tblVehicleEF	OBUS	0.08	0.12
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.24	0.28
tblVehicleEF	OBUS	0.87	1.09
tblVehicleEF	OBUS	0.65	0.67
tblVehicleEF	OBUS	8.7000e-005	8.3100e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	6.2060e-003	0.02
tblVehicleEF	OBUS	2.3200e-004	2.5900e-004
tblVehicleEF	OBUS	8.3000e-005	7.9500e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	5.9170e-003	0.02
tblVehicleEF	OBUS	2.1400e-004	2.3800e-004
tblVehicleEF	OBUS	2.9680e-003	0.13
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	1.1520e-003	0.00
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.13	0.14
tblVehicleEF	OBUS	6.2200e-004	6.4700e-004
tblVehicleEF	OBUS	0.01	0.01

Fontana Square - San Bernardino-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	2.1300e-004	2.2900e-004
tblVehicleEF	OBUS	2.9680e-003	0.13
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	1.1520e-003	0.00
tblVehicleEF	OBUS	0.05	0.11
tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.14	0.15
tblVehicleEF	SBUS	0.04	0.50
tblVehicleEF	SBUS	6.3500e-003	1.33
tblVehicleEF	SBUS	4.2050e-003	6.8190e-003
tblVehicleEF	SBUS	1.97	2.86
tblVehicleEF	SBUS	0.53	5.08
tblVehicleEF	SBUS	0.56	0.90
tblVehicleEF	SBUS	335.22	267.83
tblVehicleEF	SBUS	1,114.40	1,233.75
tblVehicleEF	SBUS	3.30	5.46
tblVehicleEF	SBUS	0.05	0.04
tblVehicleEF	SBUS	0.15	0.17
tblVehicleEF	SBUS	3.4430e-003	5.7320e-003
tblVehicleEF	SBUS	3.25	1.18
tblVehicleEF	SBUS	4.79	2.54
tblVehicleEF	SBUS	1.01	0.17
tblVehicleEF	SBUS	3.6370e-003	1.7720e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	3.1000e-005	5.2000e-005
tblVehicleEF	SBUS	3.4800e-003	1.6780e-003

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

tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.7580e-003	2.5630e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	2.8000e-005	4.8000e-005
tblVehicleEF	SBUS	7.0200e-004	0.05
tblVehicleEF	SBUS	5.3270e-003	0.01
tblVehicleEF	SBUS	0.21	0.27
tblVehicleEF	SBUS	3.4700e-004	0.00
tblVehicleEF	SBUS	0.09	0.08
tblVehicleEF	SBUS	9.2300e-003	0.01
tblVehicleEF	SBUS	0.02	0.04
tblVehicleEF	SBUS	3.1870e-003	1.2960e-003
tblVehicleEF	SBUS	0.01	6.9480e-003
tblVehicleEF	SBUS	3.3000e-005	5.4000e-005
tblVehicleEF	SBUS	7.0200e-004	0.05
tblVehicleEF	SBUS	5.3270e-003	0.01
tblVehicleEF	SBUS	0.29	0.83
tblVehicleEF	SBUS	3.4700e-004	0.00
tblVehicleEF	SBUS	0.11	1.44
tblVehicleEF	SBUS	9.2300e-003	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	0.04	0.50
tblVehicleEF	SBUS	6.4280e-003	1.33
tblVehicleEF	SBUS	3.4810e-003	5.7110e-003
tblVehicleEF	SBUS	1.93	2.85
tblVehicleEF	SBUS	0.54	5.09
tblVehicleEF	SBUS	0.40	0.65
tblVehicleEF	SBUS	342.54	270.71
tblVehicleEF	SBUS	1,114.41	1,233.78

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

tblVehicleEF	SBUS	3.03	5.04
tblVehicleEF	SBUS	0.05	0.04
tblVehicleEF	SBUS	0.15	0.17
tblVehicleEF	SBUS	3.3180e-003	5.5290e-003
tblVehicleEF	SBUS	3.32	1.21
tblVehicleEF	SBUS	4.49	2.37
tblVehicleEF	SBUS	1.01	0.17
tblVehicleEF	SBUS	3.0750e-003	1.5680e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	3.1000e-005	5.2000e-005
tblVehicleEF	SBUS	2.9420e-003	1.4830e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.7580e-003	2.5630e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	2.8000e-005	4.8000e-005
tblVehicleEF	SBUS	1.2680e-003	0.07
tblVehicleEF	SBUS	5.5830e-003	0.01
tblVehicleEF	SBUS	0.21	0.27
tblVehicleEF	SBUS	6.7000e-004	0.00
tblVehicleEF	SBUS	0.09	0.08
tblVehicleEF	SBUS	8.4450e-003	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	3.2560e-003	1.3230e-003
tblVehicleEF	SBUS	0.01	6.9490e-003
tblVehicleEF	SBUS	3.0000e-005	5.0000e-005
tblVehicleEF	SBUS	1.2680e-003	0.07
tblVehicleEF	SBUS	5.5830e-003	0.01

Fontana Square - San Bernardino-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	0.29	0.83
tblVehicleEF	SBUS	6.7000e-004	0.00
tblVehicleEF	SBUS	0.11	1.44
tblVehicleEF	SBUS	8.4450e-003	0.01
tblVehicleEF	SBUS	0.02	0.04
tblVehicleEF	SBUS	0.04	0.50
tblVehicleEF	SBUS	6.3460e-003	1.33
tblVehicleEF	SBUS	4.3050e-003	7.0250e-003
tblVehicleEF	SBUS	2.02	2.88
tblVehicleEF	SBUS	0.53	5.08
tblVehicleEF	SBUS	0.58	0.94
tblVehicleEF	SBUS	325.10	263.85
tblVehicleEF	SBUS	1,114.40	1,233.75
tblVehicleEF	SBUS	3.33	5.53
tblVehicleEF	SBUS	0.05	0.04
tblVehicleEF	SBUS	0.15	0.17
tblVehicleEF	SBUS	3.4750e-003	5.8020e-003
tblVehicleEF	SBUS	3.17	1.14
tblVehicleEF	SBUS	4.72	2.50
tblVehicleEF	SBUS	1.01	0.17
tblVehicleEF	SBUS	4.4140e-003	2.0550e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	3.1000e-005	5.2000e-005
tblVehicleEF	SBUS	4.2230e-003	1.9490e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.7580e-003	2.5630e-003
tblVehicleEF	SBUS	0.03	0.01

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

tblVehicleEF	SBUS	2.8000e-005	4.8000e-005
tblVehicleEF	SBUS	6.6500e-004	0.05
tblVehicleEF	SBUS	5.4720e-003	0.01
tblVehicleEF	SBUS	0.21	0.27
tblVehicleEF	SBUS	3.4800e-004	0.00
tblVehicleEF	SBUS	0.09	0.08
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.04
tblVehicleEF	SBUS	3.0910e-003	1.2580e-003
tblVehicleEF	SBUS	0.01	6.9480e-003
tblVehicleEF	SBUS	3.3000e-005	5.5000e-005
tblVehicleEF	SBUS	6.6500e-004	0.05
tblVehicleEF	SBUS	5.4720e-003	0.01
tblVehicleEF	SBUS	0.29	0.83
tblVehicleEF	SBUS	3.4800e-004	0.00
tblVehicleEF	SBUS	0.11	1.44
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	UBUS	4.19	1.79
tblVehicleEF	UBUS	0.02	9.4570e-003
tblVehicleEF	UBUS	32.68	26.54
tblVehicleEF	UBUS	1.41	1.06
tblVehicleEF	UBUS	1,722.05	1,674.51
tblVehicleEF	UBUS	16.73	7.80
tblVehicleEF	UBUS	0.28	0.32
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	0.37	0.45
tblVehicleEF	UBUS	0.16	0.09
tblVehicleEF	UBUS	0.08	0.11

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

tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	2.6960e-003	1.5880e-003
tblVehicleEF	UBUS	1.9800e-004	3.5000e-005
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	6.3130e-003	7.1750e-003
tblVehicleEF	UBUS	2.5630e-003	1.5150e-003
tblVehicleEF	UBUS	1.8200e-004	3.2000e-005
tblVehicleEF	UBUS	1.1340e-003	0.03
tblVehicleEF	UBUS	8.4390e-003	9.0730e-003
tblVehicleEF	UBUS	6.6300e-004	0.00
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	1.0620e-003	6.3400e-004
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	3.8500e-003	1.0130e-003
tblVehicleEF	UBUS	1.6600e-004	7.7000e-005
tblVehicleEF	UBUS	1.1340e-003	0.03
tblVehicleEF	UBUS	8.4390e-003	9.0730e-003
tblVehicleEF	UBUS	6.6300e-004	0.00
tblVehicleEF	UBUS	4.28	1.83
tblVehicleEF	UBUS	1.0620e-003	6.3400e-004
tblVehicleEF	UBUS	0.07	0.04
tblVehicleEF	UBUS	4.19	1.79
tblVehicleEF	UBUS	0.01	8.6310e-003
tblVehicleEF	UBUS	32.68	26.54
tblVehicleEF	UBUS	1.16	0.90
tblVehicleEF	UBUS	1,722.05	1,674.51
tblVehicleEF	UBUS	16.31	7.54
tblVehicleEF	UBUS	0.28	0.32
tblVehicleEF	UBUS	0.02	0.01

Fontana Square - San Bernardino-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	0.37	0.44
tblVehicleEF	UBUS	0.15	0.08
tblVehicleEF	UBUS	0.08	0.11
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	2.6960e-003	1.5880e-003
tblVehicleEF	UBUS	1.9800e-004	3.5000e-005
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	6.3130e-003	7.1750e-003
tblVehicleEF	UBUS	2.5630e-003	1.5150e-003
tblVehicleEF	UBUS	1.8200e-004	3.2000e-005
tblVehicleEF	UBUS	2.1510e-003	0.05
tblVehicleEF	UBUS	0.01	9.8320e-003
tblVehicleEF	UBUS	1.5020e-003	0.00
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	1.0390e-003	6.6400e-004
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	3.8500e-003	1.0130e-003
tblVehicleEF	UBUS	1.6100e-004	7.5000e-005
tblVehicleEF	UBUS	2.1510e-003	0.05
tblVehicleEF	UBUS	0.01	9.8320e-003
tblVehicleEF	UBUS	1.5020e-003	0.00
tblVehicleEF	UBUS	4.28	1.83
tblVehicleEF	UBUS	1.0390e-003	6.6400e-004
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	4.19	1.79
tblVehicleEF	UBUS	0.02	9.5350e-003
tblVehicleEF	UBUS	32.68	26.54
tblVehicleEF	UBUS	1.37	1.07
tblVehicleEF	UBUS	1,722.05	1,674.51

Fontana Square - San Bernardino-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	16.68	7.82
tblVehicleEF	UBUS	0.28	0.32
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	0.37	0.45
tblVehicleEF	UBUS	0.16	0.09
tblVehicleEF	UBUS	0.08	0.11
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	2.6960e-003	1.5880e-003
tblVehicleEF	UBUS	1.9800e-004	3.5000e-005
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	6.3130e-003	7.1750e-003
tblVehicleEF	UBUS	2.5630e-003	1.5150e-003
tblVehicleEF	UBUS	1.8200e-004	3.2000e-005
tblVehicleEF	UBUS	1.1960e-003	0.03
tblVehicleEF	UBUS	9.6290e-003	9.0220e-003
tblVehicleEF	UBUS	6.5800e-004	0.00
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	1.2250e-003	6.5200e-004
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	3.8500e-003	1.0130e-003
tblVehicleEF	UBUS	1.6500e-004	7.7000e-005
tblVehicleEF	UBUS	1.1960e-003	0.03
tblVehicleEF	UBUS	9.6290e-003	9.0220e-003
tblVehicleEF	UBUS	6.5800e-004	0.00
tblVehicleEF	UBUS	4.28	1.83
tblVehicleEF	UBUS	1.2250e-003	6.5200e-004
tblVehicleEF	UBUS	0.07	0.04
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	616.12	0.00

Fontana Square - San Bernardino-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	122.40	984.80
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	90.04	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	472.58	0.00
tblVehicleTrips	SU_TR	142.64	984.80
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	71.97	0.00
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	470.95	0.00
tblVehicleTrips	WD_TR	112.18	984.80
tblVehicleTrips	WD_TR	8.36	0.00
tblVehicleTrips	WD_TR	83.84	0.00

2.0 Emissions Summary

Fontana Square - San Bernardino-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					
2022	4.2489	33.1343	40.3159	0.0878	19.8582	1.6136	21.4718	10.1558	1.4845	11.6404	0.0000	8,704.0074	8,704.0074	1.4361	0.3184	8,834.8036
2023	28.3326	18.1165	24.3588	0.0623	3.0101	0.7346	3.7447	0.8108	0.6914	1.5022	0.0000	6,220.8252	6,220.8252	0.7044	0.2990	6,327.5499
Maximum	**28.3326**	**33.1343**	**40.3159**	**0.0878**	**19.8582**	**1.6136**	**21.4718**	**10.1558**	**1.4845**	**11.6404**	**0.0000**	**8,704.0074**	**8,704.0074**	**1.4361**	**0.3184**	**8,834.8036**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	4.2489	33.1343	40.3159	0.0878	7.8517	1.6136	9.4653	3.9894	1.4845	5.4740	0.0000	8,704.0074	8,704.0074	1.4361	0.3184	8,834.8036
2023	28.3326	18.1165	24.3588	0.0623	2.7824	0.7346	3.5170	0.7549	0.6914	1.4463	0.0000	6,220.8252	6,220.8252	0.7044	0.2990	6,327.5499
Maximum	**28.3326**	**33.1343**	**40.3159**	**0.0878**	**7.8517**	**1.6136**	**9.4653**	**3.9894**	**1.4845**	**5.4740**	**0.0000**	**8,704.0074**	**8,704.0074**	**1.4361**	**0.3184**	**8,834.8036**

Fontana Square - San Bernardino-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	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	53.50	0.00	48.52	56.74	0.00	47.34	0.00	0.00	0.00	0.00	0.00	0.00

Fontana Square - San Bernardino-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	4.4006	4.6000e-004	0.0509	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1092	0.1092	2.9000e-004		0.1163
Energy	0.6068	5.5166	4.6340	0.0331		0.4193	0.4193		0.4193	0.4193		6,619.9241	6,619.9241	0.1269	0.1214	6,659.2630
Mobile	12.7517	7.2264	73.0174	0.7267	14.0037	0.6785	14.6822	4.3720	0.6722	5.0442		13,190.8402	13,190.8402	1.6257	1.2808	13,613.1532
Total	**17.7591**	**12.7434**	**77.7023**	**0.7598**	**14.0037**	**1.0980**	**15.1016**	**4.3720**	**1.0916**	**5.4636**		**19,810.8735**	**19,810.8735**	**1.7529**	**1.4021**	**20,272.5325**

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	4.4006	4.6000e-004	0.0509	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1092	0.1092	2.9000e-004		0.1163
Energy	0.4886	4.4420	3.7312	0.0267		0.3376	0.3376		0.3376	0.3376		5,330.3456	5,330.3456	0.1022	0.0977	5,362.0211
Mobile	12.5432	6.5655	66.6296	0.5939	11.4140	0.5575	11.9715	3.5635	0.5520	4.1155		10,908.5693	10,908.5693	1.4909	1.1138	11,277.7441
Total	**17.4324**	**11.0079**	**70.4118**	**0.6205**	**11.4140**	**0.8953**	**12.3093**	**3.5635**	**0.8898**	**4.4532**		**16,239.0240**	**16,239.0240**	**1.5934**	**1.2115**	**16,639.8815**

Fontana Square - San Bernardino-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	N20	CO2e
Percent Reduction	**1.84**	**13.62**	**9.38**	**18.33**	**18.49**	**18.46**	**18.49**	**18.49**	**18.49**	**18.49**	**0.00**	**18.03**	**18.03**	**9.10**	**13.60**	**17.92**

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	3/1/2022	3/7/2022	5	5	
2	Site Preparation	Site Preparation	3/8/2022	3/31/2022	5	18	
3	Grading	Grading	4/1/2022	5/31/2022	5	43	
4	Building Construction	Building Construction	6/1/2022	5/31/2023	5	261	
5	Paving	Paving	9/1/2022	10/31/2022	5	43	
6	Architectural Coating	Architectural Coating	6/1/2023	8/31/2023	5	66	

Acres of Grading (Site Preparation Phase): 27

Acres of Grading (Grading Phase): 43

Acres of Paving: 5.58

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 287,823; Non-Residential Outdoor: 95,941; Striped Parking Area: 14,590 (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
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

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

Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	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
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
Architectural Coating	Air Compressors	1	6.00	78	0.48

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	129.00	14.70	6.90	20.00	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
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	220.00	86.00	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
Architectural Coating	1	44.00	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

Fontana Square - San Bernardino-South Coast County, Winter

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

Clean Paved Roads

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.5961	0.0000	5.5961	0.8473	0.0000	0.8473			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
Total	**2.6392**	**25.7194**	**20.5941**	**0.0388**	**5.5961**	**1.2427**	**6.8387**	**0.8473**	**1.1553**	**2.0026**		**3,746.7812**	**3,746.7812**	**1.0524**		**3,773.0920**

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

3.2 Demolition - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0936	3.6920	0.9382	0.0152	0.4518	0.0370	0.4888	0.1239	0.0354	0.1593		1,653.6336	1,653.6336	0.0706	0.2621	1,733.4879
Vendor	0.0000	0.0000	0.0000	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	0.0610	0.0423	0.5069	1.4000e-003	0.1677	8.8000e-004	0.1685	0.0445	8.1000e-004	0.0453		141.6717	141.6717	4.0800e-003	4.0400e-003	142.9792
Total	**0.1546**	**3.7343**	**1.4451**	**0.0166**	**0.6195**	**0.0379**	**0.6574**	**0.1684**	**0.0362**	**0.2046**		**1,795.3054**	**1,795.3054**	**0.0746**	**0.2661**	**1,876.4671**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.1825	0.0000	2.1825	0.3304	0.0000	0.3304			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	**2.6392**	**25.7194**	**20.5941**	**0.0388**	**2.1825**	**1.2427**	**3.4251**	**0.3304**	**1.1553**	**1.4857**	**0.0000**	**3,746.7812**	**3,746.7812**	**1.0524**		**3,773.0920**

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

3.2 Demolition - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0936	3.6920	0.9382	0.0152	0.4211	0.0370	0.4581	0.1164	0.0354	0.1518		1,653.6336	1,653.6336	0.0706	0.2621	1,733.4879
Vendor	0.0000	0.0000	0.0000	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	0.0610	0.0423	0.5069	1.4000e-003	0.1546	8.8000e-004	0.1554	0.0413	8.1000e-004	0.0421		141.6717	141.6717	4.0800e-003	4.0400e-003	142.9792
Total	**0.1546**	**3.7343**	**1.4451**	**0.0166**	**0.5757**	**0.0379**	**0.6135**	**0.1576**	**0.0362**	**0.1938**		**1,795.3054**	**1,795.3054**	**0.0746**	**0.2661**	**1,876.4671**

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	**3.1701**	**33.0835**	**19.6978**	**0.0380**	**19.6570**	**1.6126**	**21.2696**	**10.1025**	**1.4836**	**11.5860**		**3,686.0619**	**3,686.0619**	**1.1922**		**3,715.8655**

Fontana Square - San Bernardino-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 - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0732	0.0508	0.6083	1.6800e-003	0.2012	1.0500e-003	0.2023	0.0534	9.7000e-004	0.0543		170.0061	170.0061	4.9000e-003	4.8500e-003	171.5751
Total	**0.0732**	**0.0508**	**0.6083**	**1.6800e-003**	**0.2012**	**1.0500e-003**	**0.2023**	**0.0534**	**9.7000e-004**	**0.0543**		**170.0061**	**170.0061**	**4.9000e-003**	**4.8500e-003**	**171.5751**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	**3.1701**	**33.0835**	**19.6978**	**0.0380**	**7.6662**	**1.6126**	**9.2788**	**3.9400**	**1.4836**	**5.4235**	**0.0000**	**3,686.0619**	**3,686.0619**	**1.1922**		**3,715.8655**

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

3.3 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0732	0.0508	0.6083	1.6800e-003	0.1855	1.0500e-003	0.1865	0.0495	9.7000e-004	0.0505		170.0061	170.0061	4.9000e-003	4.8500e-003	171.5751
Total	**0.0732**	**0.0508**	**0.6083**	**1.6800e-003**	**0.1855**	**1.0500e-003**	**0.1865**	**0.0495**	**9.7000e-004**	**0.0505**		**170.0061**	**170.0061**	**4.9000e-003**	**4.8500e-003**	**171.5751**

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.0464	2,872.0464	0.9289		2,895.2684
Total	**1.9486**	**20.8551**	**15.2727**	**0.0297**	**7.0826**	**0.9409**	**8.0234**	**3.4247**	**0.8656**	**4.2903**		**2,872.0464**	**2,872.0464**	**0.9289**		**2,895.2684**

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

3.4 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0610	0.0423	0.5069	1.4000e-003	0.1677	8.8000e-004	0.1685	0.0445	8.1000e-004	0.0453		141.6717	141.6717	4.0800e-003	4.0400e-003	142.9792
Total	**0.0610**	**0.0423**	**0.5069**	**1.4000e-003**	**0.1677**	**8.8000e-004**	**0.1685**	**0.0445**	**8.1000e-004**	**0.0453**		**141.6717**	**141.6717**	**4.0800e-003**	**4.0400e-003**	**142.9792**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.7622	0.0000	2.7622	1.3357	0.0000	1.3357			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.0464	2,872.0464	0.9289		2,895.2684
Total	**1.9486**	**20.8551**	**15.2727**	**0.0297**	**2.7622**	**0.9409**	**3.7031**	**1.3357**	**0.8656**	**2.2012**	**0.0000**	**2,872.0464**	**2,872.0464**	**0.9289**		**2,895.2684**

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

3.4 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0610	0.0423	0.5069	1.4000e-003	0.1546	8.8000e-004	0.1554	0.0413	8.1000e-004	0.0421		141.6717	141.6717	4.0800e-003	4.0400e-003	142.9792
Total	**0.0610**	**0.0423**	**0.5069**	**1.4000e-003**	**0.1546**	**8.8000e-004**	**0.1554**	**0.0413**	**8.1000e-004**	**0.0421**		**141.6717**	**141.6717**	**4.0800e-003**	**4.0400e-003**	**142.9792**

3.5 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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Fontana Square - San Bernardino-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 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1440	3.9534	1.4307	0.0161	0.5510	0.0449	0.5959	0.1587	0.0430	0.2017		1,722.4898	1,722.4898	0.0462	0.2551	1,799.6532
Worker	0.8948	0.6205	7.4344	0.0206	2.4591	0.0129	2.4720	0.6522	0.0119	0.6640		2,077.8520	2,077.8520	0.0599	0.0593	2,097.0286
Total	**1.0388**	**4.5739**	**8.8651**	**0.0366**	**3.0101**	**0.0578**	**3.0679**	**0.8108**	**0.0549**	**0.8657**		**3,800.3418**	**3,800.3418**	**0.1061**	**0.3144**	**3,896.6818**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Fontana Square - San Bernardino-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 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1440	3.9534	1.4307	0.0161	0.5157	0.0449	0.5606	0.1500	0.0430	0.1930		1,722.4898	1,722.4898	0.0462	0.2551	1,799.6532
Worker	0.8948	0.6205	7.4344	0.0206	2.2667	0.0129	2.2796	0.6049	0.0119	0.6168		2,077.8520	2,077.8520	0.0599	0.0593	2,097.0286
Total	**1.0388**	**4.5739**	**8.8651**	**0.0366**	**2.7824**	**0.0578**	**2.8402**	**0.7549**	**0.0549**	**0.8098**		**3,800.3418**	**3,800.3418**	**0.1061**	**0.3144**	**3,896.6818**

3.5 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**

Fontana Square - San Bernardino-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 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0937	3.1862	1.3048	0.0154	0.5510	0.0228	0.5737	0.1587	0.0218	0.1804		1,654.4990	1,654.4990	0.0428	0.2445	1,728.4269
Worker	0.8281	0.5454	6.8100	0.0199	2.4591	0.0121	2.4712	0.6522	0.0112	0.6633		2,011.1163	2,011.1163	0.0538	0.0546	2,028.7170
Total	**0.9218**	**3.7316**	**8.1148**	**0.0353**	**3.0101**	**0.0349**	**3.0449**	**0.8108**	**0.0329**	**0.8437**		**3,665.6153**	**3,665.6153**	**0.0965**	**0.2990**	**3,757.1438**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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**

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

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0937	3.1862	1.3048	0.0154	0.5157	0.0228	0.5384	0.1500	0.0218	0.1718		1,654.4990	1,654.4990	0.0428	0.2445	1,728.4269
Worker	0.8281	0.5454	6.8100	0.0199	2.2667	0.0121	2.2788	0.6049	0.0112	0.6161		2,011.1163	2,011.1163	0.0538	0.0546	2,028.7170
Total	**0.9218**	**3.7316**	**8.1148**	**0.0353**	**2.7824**	**0.0349**	**2.8172**	**0.7549**	**0.0329**	**0.7878**		**3,665.6153**	**3,665.6153**	**0.0965**	**0.2990**	**3,757.1438**

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.3400					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4428**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

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

3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0610	0.0423	0.5069	1.4000e-003	0.1677	8.8000e-004	0.1685	0.0445	8.1000e-004	0.0453		141.6717	141.6717	4.0800e-003	4.0400e-003	142.9792
Total	**0.0610**	**0.0423**	**0.5069**	**1.4000e-003**	**0.1677**	**8.8000e-004**	**0.1685**	**0.0445**	**8.1000e-004**	**0.0453**		**141.6717**	**141.6717**	**4.0800e-003**	**4.0400e-003**	**142.9792**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.3400					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4428**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

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

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0610	0.0423	0.5069	1.4000e-003	0.1546	8.8000e-004	0.1554	0.0413	8.1000e-004	0.0421		141.6717	141.6717	4.0800e-003	4.0400e-003	142.9792
Total	**0.0610**	**0.0423**	**0.5069**	**1.4000e-003**	**0.1546**	**8.8000e-004**	**0.1554**	**0.0413**	**8.1000e-004**	**0.0421**		**141.6717**	**141.6717**	**4.0800e-003**	**4.0400e-003**	**142.9792**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.9753					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	**28.1670**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

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

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.1656	0.1091	1.3620	3.9800e-003	0.4918	2.4200e-003	0.4942	0.1304	2.2300e-003	0.1327		402.2233	402.2233	0.0108	0.0109	405.7434
Total	**0.1656**	**0.1091**	**1.3620**	**3.9800e-003**	**0.4918**	**2.4200e-003**	**0.4942**	**0.1304**	**2.2300e-003**	**0.1327**		**402.2233**	**402.2233**	**0.0108**	**0.0109**	**405.7434**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	27.9753					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	**28.1670**	**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**

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

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.1656	0.1091	1.3620	3.9800e-003	0.4533	2.4200e-003	0.4558	0.1210	2.2300e-003	0.1232		402.2233	402.2233	0.0108	0.0109	405.7434
Total	**0.1656**	**0.1091**	**1.3620**	**3.9800e-003**	**0.4533**	**2.4200e-003**	**0.4558**	**0.1210**	**2.2300e-003**	**0.1232**		**402.2233**	**402.2233**	**0.0108**	**0.0109**	**405.7434**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Diversity

Implement Trip Reduction Program

Employee Vanpool/Shuttle

Provide Riade Sharing Program

Fontana Square - San Bernardino-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	12.5432	6.5655	66.6296	0.5939	11.4140	0.5575	11.9715	3.5635	0.5520	4.1155		10,908.5693	10,908.5693	1.4909	1.1138	11,277.7441
Unmitigated	12.7517	7.2264	73.0174	0.7267	14.0037	0.6785	14.6822	4.3720	0.6722	5.0442		13,190.8402	13,190.8402	1.6257	1.2808	13,613.1532

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Fast Food Restaurant with Drive Thru	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	4,924.00	4,924.00	4924.00	6,710,578	5,469,612
Hotel	0.00	0.00	0.00		
Hotel	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Quality Restaurant	0.00	0.00	0.00		
Total	4,924.00	4,924.00	4,924.00	6,710,578	5,469,612

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Fast Food Restaurant with Drive	16.60	8.40	6.90	2.20	78.80	19.00	29	21	50
High Turnover (Sit Down	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4

Fontana Square - San Bernardino-South Coast County, Winter

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

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Quality Restaurant	16.60	8.40	6.90	12.00	69.00	19.00	38	18	44

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071
Fast Food Restaurant with Drive Thru	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071
High Turnover (Sit Down Restaurant)	0.561910	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.000000	0.000000	0.000000	0.025303	0.000000	0.000000
Hotel	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071
Parking Lot	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071
Quality Restaurant	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

Install Energy Efficient Appliances

Fontana Square - San Bernardino-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	0.4886	4.4420	3.7312	0.0267		0.3376	0.3376		0.3376	0.3376		5,330.3456	5,330.3456	0.1022	0.0977	5,362.0211
NaturalGas Unmitigated	0.6068	5.5166	4.6340	0.0331		0.4193	0.4193		0.4193	0.4193		6,619.9241	6,619.9241	0.1269	0.1214	6,659.2630

Fontana Square - San Bernardino-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					
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
Fast Food Restaurant with Drive Thru	2902.15	0.0313	0.2845	0.2390	1.7100e-003		0.0216	0.0216		0.0216	0.0216		341.4292	341.4292	6.5400e-003	6.2600e-003	343.4582
High Turnover (Sit Down Restaurant)	3735.07	0.0403	0.3662	0.3076	2.2000e-003		0.0278	0.0278		0.0278	0.0278		439.4198	439.4198	8.4200e-003	8.0600e-003	442.0311
Hotel	14315.9	0.1544	1.4035	1.1790	8.4200e-003		0.1067	0.1067		0.1067	0.1067		1,684.2177	1,684.2177	0.0323	0.0309	1,694.2261
Hotel	9967.13	0.1075	0.9772	0.8208	5.8600e-003		0.0743	0.0743		0.0743	0.0743		1,172.6030	1,172.6030	0.0225	0.0215	1,179.5711
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
Quality Restaurant	25349.2	0.2734	2.4852	2.0876	0.0149		0.1889	0.1889		0.1889	0.1889		2,982.2545	2,982.2545	0.0572	0.0547	2,999.9765
Total		**0.6068**	**5.5166**	**4.6339**	**0.0331**		**0.4193**	**0.4193**		**0.4193**	**0.4193**		**6,619.9241**	**6,619.9241**	**0.1269**	**0.1214**	**6,659.2630**

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					
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
Fast Food Restaurant with Drive Thru	2.61571	0.0282	0.2564	0.2154	1.5400e-003		0.0195	0.0195		0.0195	0.0195		307.7302	307.7302	5.9000e-003	5.6400e-003	309.5589
High Turnover (Sit Down Restaurant)	3.36642	0.0363	0.3300	0.2772	1.9800e-003		0.0251	0.0251		0.0251	0.0251		396.0492	396.0492	7.5900e-003	7.2600e-003	398.4027
Hotel	6.76377	0.0729	0.6631	0.5570	3.9800e-003		0.0504	0.0504		0.0504	0.0504		795.7371	795.7371	0.0153	0.0146	800.4658
Hotel	9.71484	0.1048	0.9524	0.8001	5.7100e-003		0.0724	0.0724		0.0724	0.0724		1,142.9227	1,142.9227	0.0219	0.0210	1,149.7145
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
Quality Restaurant	22.8472	0.2464	2.2399	1.8815	0.0134		0.1702	0.1702		0.1702	0.1702		2,687.9064	2,687.9064	0.0515	0.0493	2,703.8793
Total		**0.4886**	**4.4420**	**3.7312**	**0.0267**		**0.3376**	**0.3376**		**0.3376**	**0.3376**		**5,330.3456**	**5,330.3456**	**0.1022**	**0.0977**	**5,362.0211**

6.0 Area Detail

6.1 Mitigation Measures Area

Fontana Square - San Bernardino-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	4.4006	4.6000e-004	0.0509	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1092	0.1092	2.9000e-004		0.1163
Unmitigated	4.4006	4.6000e-004	0.0509	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1092	0.1092	2.9000e-004		0.1163

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	0.5059					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.8900					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.7200e-003	4.6000e-004	0.0509	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1092	0.1092	2.9000e-004		0.1163
Total	**4.4006**	**4.6000e-004**	**0.0509**	**0.0000**		**1.8000e-004**	**1.8000e-004**		**1.8000e-004**	**1.8000e-004**		**0.1092**	**0.1092**	**2.9000e-004**		**0.1163**

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	0.5059					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.8900					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.7200e-003	4.6000e-004	0.0509	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1092	0.1092	2.9000e-004		0.1163
Total	**4.4006**	**4.6000e-004**	**0.0509**	**0.0000**		**1.8000e-004**	**1.8000e-004**		**1.8000e-004**	**1.8000e-004**		**0.1092**	**0.1092**	**2.9000e-004**		**0.1163**

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

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Fontana Square - San Bernardino-South Coast County, Summer

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

Vehicle Trips - Source: TIA Table 3.

Vehicle Emission Factors - EMFAC2021 San Bernardino(SC) 2023

Vehicle Emission Factors - EMFAC2021 San Bernardino(SC) 2023

Vehicle Emission Factors - EMFAC2021 San Bernardino(SC) 2023

Construction Off-road Equipment Mitigation - SCAQMD RULE 403 required - not mitigation

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Energy Mitigation - CalGreen Tier 2, Energy Efficient Appliances

Water Mitigation - building code requiements - not mitigation

Waste Mitigation -

Fleet Mix - project fleetmix, project will not generate trips from heavy trucks, buses, motorhomes

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	10.00	18.00
tblConstructionPhase	NumDays	20.00	43.00
tblConstructionPhase	NumDays	230.00	261.00
tblConstructionPhase	NumDays	20.00	43.00
tblConstructionPhase	NumDays	20.00	66.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.54	0.56
tblFleetMix	MH	5.0710e-003	0.00
tblFleetMix	OBUS	5.5900e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	UBUS	2.5400e-004	0.00
tblLandUse	LandUseSquareFeet	243,160.00	243,165.00

Fontana Square - San Bernardino-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	89,298.00	89,315.00
tblLandUse	LandUseSquareFeet	3,880.00	3,885.00
tblLandUse	LandUseSquareFeet	151,008.00	61,184.00
tblLandUse	LandUseSquareFeet	169,884.00	87,879.00
tblLandUse	LandUseSquareFeet	23,800.00	33,934.00
tblLandUse	LotAcreage	3.47	0.31
tblLandUse	LotAcreage	3.90	0.18
tblVehicleEF	HHD	0.03	0.24
tblVehicleEF	HHD	0.06	0.16
tblVehicleEF	HHD	8.67	5.37
tblVehicleEF	HHD	0.33	0.87
tblVehicleEF	HHD	2.3220e-003	1.7450e-003
tblVehicleEF	HHD	1,424.58	849.11
tblVehicleEF	HHD	1,311.47	1,579.61
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.22	0.14
tblVehicleEF	HHD	0.21	0.25
tblVehicleEF	HHD	8.0000e-006	1.8000e-005
tblVehicleEF	HHD	7.12	4.09
tblVehicleEF	HHD	2.15	1.83
tblVehicleEF	HHD	2.33	2.60
tblVehicleEF	HHD	3.0350e-003	2.2980e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.02
tblVehicleEF	HHD	1.0000e-006	2.0000e-006
tblVehicleEF	HHD	2.9040e-003	2.1950e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.9160e-003	8.8030e-003

Fontana Square - San Bernardino-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	3.0000e-006	4.0700e-004
tblVehicleEF	HHD	8.8000e-005	1.0200e-004
tblVehicleEF	HHD	0.58	0.32
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	3.6000e-005	1.0400e-004
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.01	7.2550e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	3.0000e-006	4.0700e-004
tblVehicleEF	HHD	8.8000e-005	1.0200e-004
tblVehicleEF	HHD	0.67	0.60
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	0.08	0.18
tblVehicleEF	HHD	3.6000e-005	1.0400e-004
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.03	0.24
tblVehicleEF	HHD	0.06	0.16
tblVehicleEF	HHD	8.55	5.30
tblVehicleEF	HHD	0.33	0.87
tblVehicleEF	HHD	2.1790e-003	1.6480e-003
tblVehicleEF	HHD	1,406.97	840.66
tblVehicleEF	HHD	1,311.48	1,579.61
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.22	0.14
tblVehicleEF	HHD	0.21	0.25
tblVehicleEF	HHD	8.0000e-006	1.8000e-005
tblVehicleEF	HHD	6.79	3.92

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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	2.03	1.73
tblVehicleEF	HHD	2.33	2.60
tblVehicleEF	HHD	2.6730e-003	2.0160e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.02
tblVehicleEF	HHD	1.0000e-006	2.0000e-006
tblVehicleEF	HHD	2.5570e-003	1.9250e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.9160e-003	8.8030e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	6.0000e-006	6.2700e-004
tblVehicleEF	HHD	1.0300e-004	1.1200e-004
tblVehicleEF	HHD	0.62	0.34
tblVehicleEF	HHD	4.0000e-006	0.00
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	3.7000e-005	1.1200e-004
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.01	7.1750e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	6.0000e-006	6.2700e-004
tblVehicleEF	HHD	1.0300e-004	1.1200e-004
tblVehicleEF	HHD	0.71	0.62
tblVehicleEF	HHD	4.0000e-006	0.00
tblVehicleEF	HHD	0.08	0.18
tblVehicleEF	HHD	3.7000e-005	1.1200e-004
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.03	0.24
tblVehicleEF	HHD	0.06	0.16

Fontana Square - San Bernardino-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	8.83	5.46
tblVehicleEF	HHD	0.33	0.87
tblVehicleEF	HHD	2.2920e-003	1.7320e-003
tblVehicleEF	HHD	1,448.88	860.79
tblVehicleEF	HHD	1,311.47	1,579.61
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.23	0.14
tblVehicleEF	HHD	0.21	0.25
tblVehicleEF	HHD	8.0000e-006	1.8000e-005
tblVehicleEF	HHD	7.59	4.33
tblVehicleEF	HHD	2.12	1.80
tblVehicleEF	HHD	2.33	2.60
tblVehicleEF	HHD	3.5360e-003	2.6880e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.02
tblVehicleEF	HHD	1.0000e-006	2.0000e-006
tblVehicleEF	HHD	3.3830e-003	2.5680e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.9160e-003	8.8030e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	3.0000e-006	4.1700e-004
tblVehicleEF	HHD	1.0400e-004	1.0100e-004
tblVehicleEF	HHD	0.54	0.30
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	3.8000e-005	1.1000e-004
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.01	7.3660e-003

Fontana Square - San Bernardino-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	0.01	0.01
tblVehicleEF	HHD	3.0000e-006	4.1700e-004
tblVehicleEF	HHD	1.0400e-004	1.0100e-004
tblVehicleEF	HHD	0.62	0.57
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	0.08	0.18
tblVehicleEF	HHD	3.8000e-005	1.1000e-004
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	LDA	2.1370e-003	2.3980e-003
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.60	0.76
tblVehicleEF	LDA	2.09	2.94
tblVehicleEF	LDA	253.45	274.29
tblVehicleEF	LDA	52.23	68.42
tblVehicleEF	LDA	4.3970e-003	4.5810e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.17	0.24
tblVehicleEF	LDA	0.04	7.2870e-003
tblVehicleEF	LDA	1.3750e-003	1.2970e-003
tblVehicleEF	LDA	1.7750e-003	2.0870e-003
tblVehicleEF	LDA	0.02	2.5510e-003
tblVehicleEF	LDA	1.2660e-003	1.1930e-003
tblVehicleEF	LDA	1.6320e-003	1.9190e-003
tblVehicleEF	LDA	0.06	0.32
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.05	0.00
tblVehicleEF	LDA	8.0100e-003	9.0450e-003
tblVehicleEF	LDA	0.02	0.02

Fontana Square - San Bernardino-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	0.21	0.30
tblVehicleEF	LDA	2.5070e-003	2.7110e-003
tblVehicleEF	LDA	5.1700e-004	6.7600e-004
tblVehicleEF	LDA	0.06	0.32
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.05	0.00
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.23	0.33
tblVehicleEF	LDA	2.4510e-003	2.5500e-003
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.74	1.02
tblVehicleEF	LDA	1.74	2.47
tblVehicleEF	LDA	276.74	297.55
tblVehicleEF	LDA	51.56	67.52
tblVehicleEF	LDA	4.1180e-003	4.0760e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.16	0.22
tblVehicleEF	LDA	0.04	7.2870e-003
tblVehicleEF	LDA	1.3750e-003	1.2970e-003
tblVehicleEF	LDA	1.7750e-003	2.0870e-003
tblVehicleEF	LDA	0.02	2.5510e-003
tblVehicleEF	LDA	1.2660e-003	1.1930e-003
tblVehicleEF	LDA	1.6320e-003	1.9190e-003
tblVehicleEF	LDA	0.11	0.43
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.10	0.00
tblVehicleEF	LDA	9.0880e-003	9.4980e-003

Fontana Square - San Bernardino-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	0.02	0.02
tblVehicleEF	LDA	0.17	0.26
tblVehicleEF	LDA	2.7380e-003	2.9410e-003
tblVehicleEF	LDA	5.1000e-004	6.6800e-004
tblVehicleEF	LDA	0.11	0.43
tblVehicleEF	LDA	0.11	0.10
tblVehicleEF	LDA	0.10	0.00
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.19	0.29
tblVehicleEF	LDA	2.0850e-003	2.3780e-003
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.57	0.71
tblVehicleEF	LDA	2.06	2.95
tblVehicleEF	LDA	247.99	270.02
tblVehicleEF	LDA	52.17	68.43
tblVehicleEF	LDA	4.2170e-003	4.4630e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.17	0.24
tblVehicleEF	LDA	0.04	7.2870e-003
tblVehicleEF	LDA	1.3750e-003	1.2970e-003
tblVehicleEF	LDA	1.7750e-003	2.0870e-003
tblVehicleEF	LDA	0.02	2.5510e-003
tblVehicleEF	LDA	1.2660e-003	1.1930e-003
tblVehicleEF	LDA	1.6320e-003	1.9190e-003
tblVehicleEF	LDA	0.06	0.33
tblVehicleEF	LDA	0.11	0.09
tblVehicleEF	LDA	0.04	0.00

Fontana Square - San Bernardino-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	7.8040e-003	8.9700e-003
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.21	0.31
tblVehicleEF	LDA	2.4530e-003	2.6690e-003
tblVehicleEF	LDA	5.1600e-004	6.7700e-004
tblVehicleEF	LDA	0.06	0.33
tblVehicleEF	LDA	0.11	0.09
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.22	0.34
tblVehicleEF	LDT1	6.0730e-003	0.01
tblVehicleEF	LDT1	0.08	0.14
tblVehicleEF	LDT1	1.27	2.19
tblVehicleEF	LDT1	2.34	6.89
tblVehicleEF	LDT1	300.86	345.88
tblVehicleEF	LDT1	63.56	92.32
tblVehicleEF	LDT1	8.3810e-003	0.01
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.11	0.21
tblVehicleEF	LDT1	0.28	0.50
tblVehicleEF	LDT1	0.04	9.0190e-003
tblVehicleEF	LDT1	2.0070e-003	2.4360e-003
tblVehicleEF	LDT1	2.6380e-003	3.7560e-003
tblVehicleEF	LDT1	0.02	3.1570e-003
tblVehicleEF	LDT1	1.8470e-003	2.2410e-003
tblVehicleEF	LDT1	2.4260e-003	3.4530e-003
tblVehicleEF	LDT1	0.18	1.01
tblVehicleEF	LDT1	0.24	0.25

Fontana Square - San Bernardino-South Coast County, Summer

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

tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.03	0.05
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.39	0.73
tblVehicleEF	LDT1	2.9770e-003	3.4190e-003
tblVehicleEF	LDT1	6.2900e-004	9.1300e-004
tblVehicleEF	LDT1	0.18	1.01
tblVehicleEF	LDT1	0.24	0.25
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.04	0.07
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.43	0.80
tblVehicleEF	LDT1	6.8930e-003	0.01
tblVehicleEF	LDT1	0.06	0.12
tblVehicleEF	LDT1	1.54	2.91
tblVehicleEF	LDT1	1.94	5.73
tblVehicleEF	LDT1	325.15	373.01
tblVehicleEF	LDT1	62.71	90.12
tblVehicleEF	LDT1	7.7740e-003	0.01
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.10	0.18
tblVehicleEF	LDT1	0.26	0.46
tblVehicleEF	LDT1	0.04	9.0190e-003
tblVehicleEF	LDT1	2.0070e-003	2.4360e-003
tblVehicleEF	LDT1	2.6380e-003	3.7560e-003
tblVehicleEF	LDT1	0.02	3.1570e-003
tblVehicleEF	LDT1	1.8470e-003	2.2410e-003
tblVehicleEF	LDT1	2.4260e-003	3.4530e-003
tblVehicleEF	LDT1	0.36	1.35

Fontana Square - San Bernardino-South Coast County, Summer

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

tblVehicleEF	LDT1	0.30	0.27
tblVehicleEF	LDT1	0.27	0.00
tblVehicleEF	LDT1	0.03	0.05
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.33	0.63
tblVehicleEF	LDT1	3.2180e-003	3.6880e-003
tblVehicleEF	LDT1	6.2100e-004	8.9100e-004
tblVehicleEF	LDT1	0.36	1.35
tblVehicleEF	LDT1	0.30	0.27
tblVehicleEF	LDT1	0.27	0.00
tblVehicleEF	LDT1	0.04	0.07
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.36	0.68
tblVehicleEF	LDT1	5.9330e-003	0.01
tblVehicleEF	LDT1	0.08	0.14
tblVehicleEF	LDT1	1.21	2.05
tblVehicleEF	LDT1	2.30	6.91
tblVehicleEF	LDT1	295.11	340.90
tblVehicleEF	LDT1	63.48	92.36
tblVehicleEF	LDT1	8.0360e-003	0.01
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.10	0.20
tblVehicleEF	LDT1	0.27	0.49
tblVehicleEF	LDT1	0.04	9.0190e-003
tblVehicleEF	LDT1	2.0070e-003	2.4360e-003
tblVehicleEF	LDT1	2.6380e-003	3.7560e-003
tblVehicleEF	LDT1	0.02	3.1570e-003
tblVehicleEF	LDT1	1.8470e-003	2.2410e-003
tblVehicleEF	LDT1	2.4260e-003	3.4530e-003

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

tblVehicleEF	LDT1	0.18	1.01
tblVehicleEF	LDT1	0.28	0.25
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.03	0.05
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.39	0.74
tblVehicleEF	LDT1	2.9200e-003	3.3700e-003
tblVehicleEF	LDT1	6.2800e-004	9.1300e-004
tblVehicleEF	LDT1	0.18	1.01
tblVehicleEF	LDT1	0.28	0.25
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.04	0.07
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.42	0.81
tblVehicleEF	LDT2	3.7960e-003	3.3920e-003
tblVehicleEF	LDT2	0.07	0.09
tblVehicleEF	LDT2	0.89	0.98
tblVehicleEF	LDT2	2.68	3.69
tblVehicleEF	LDT2	319.22	354.29
tblVehicleEF	LDT2	67.70	89.12
tblVehicleEF	LDT2	6.7470e-003	6.7820e-003
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.28	0.35
tblVehicleEF	LDT2	0.04	8.5120e-003
tblVehicleEF	LDT2	1.4480e-003	1.3600e-003
tblVehicleEF	LDT2	1.8650e-003	2.1460e-003
tblVehicleEF	LDT2	0.02	2.9790e-003
tblVehicleEF	LDT2	1.3330e-003	1.2510e-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	1.7150e-003	1.9730e-003
tblVehicleEF	LDT2	0.10	0.35
tblVehicleEF	LDT2	0.14	0.09
tblVehicleEF	LDT2	0.08	0.00
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.06	0.03
tblVehicleEF	LDT2	0.32	0.40
tblVehicleEF	LDT2	3.1580e-003	3.5020e-003
tblVehicleEF	LDT2	6.7000e-004	8.8100e-004
tblVehicleEF	LDT2	0.10	0.35
tblVehicleEF	LDT2	0.14	0.09
tblVehicleEF	LDT2	0.08	0.00
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.03
tblVehicleEF	LDT2	0.35	0.43
tblVehicleEF	LDT2	4.3360e-003	3.6050e-003
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	1.08	1.31
tblVehicleEF	LDT2	2.22	3.09
tblVehicleEF	LDT2	342.62	379.01
tblVehicleEF	LDT2	66.80	87.98
tblVehicleEF	LDT2	6.2920e-003	6.0440e-003
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.26	0.33
tblVehicleEF	LDT2	0.04	8.5120e-003
tblVehicleEF	LDT2	1.4480e-003	1.3600e-003
tblVehicleEF	LDT2	1.8650e-003	2.1460e-003
tblVehicleEF	LDT2	0.02	2.9790e-003

Fontana Square - San Bernardino-South Coast County, Summer

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

tblVehicleEF	LDT2	1.3330e-003	1.2510e-003
tblVehicleEF	LDT2	1.7150e-003	1.9730e-003
tblVehicleEF	LDT2	0.20	0.46
tblVehicleEF	LDT2	0.17	0.10
tblVehicleEF	LDT2	0.17	0.00
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.06	0.03
tblVehicleEF	LDT2	0.27	0.34
tblVehicleEF	LDT2	3.3900e-003	3.7470e-003
tblVehicleEF	LDT2	6.6100e-004	8.7000e-004
tblVehicleEF	LDT2	0.20	0.46
tblVehicleEF	LDT2	0.17	0.10
tblVehicleEF	LDT2	0.17	0.00
tblVehicleEF	LDT2	0.03	0.02
tblVehicleEF	LDT2	0.06	0.03
tblVehicleEF	LDT2	0.29	0.37
tblVehicleEF	LDT2	3.7060e-003	3.3640e-003
tblVehicleEF	LDT2	0.07	0.09
tblVehicleEF	LDT2	0.84	0.92
tblVehicleEF	LDT2	2.64	3.70
tblVehicleEF	LDT2	313.67	349.75
tblVehicleEF	LDT2	67.63	89.15
tblVehicleEF	LDT2	6.4690e-003	6.6100e-003
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.28	0.35
tblVehicleEF	LDT2	0.04	8.5120e-003
tblVehicleEF	LDT2	1.4480e-003	1.3600e-003
tblVehicleEF	LDT2	1.8650e-003	2.1460e-003

Fontana Square - San Bernardino-South Coast County, Summer

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

tblVehicleEF	LDT2	0.02	2.9790e-003
tblVehicleEF	LDT2	1.3330e-003	1.2510e-003
tblVehicleEF	LDT2	1.7150e-003	1.9730e-003
tblVehicleEF	LDT2	0.10	0.36
tblVehicleEF	LDT2	0.16	0.09
tblVehicleEF	LDT2	0.08	0.00
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.07	0.03
tblVehicleEF	LDT2	0.32	0.40
tblVehicleEF	LDT2	3.1030e-003	3.4570e-003
tblVehicleEF	LDT2	6.6900e-004	8.8100e-004
tblVehicleEF	LDT2	0.10	0.36
tblVehicleEF	LDT2	0.16	0.09
tblVehicleEF	LDT2	0.08	0.00
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.03
tblVehicleEF	LDT2	0.35	0.44
tblVehicleEF	LHD1	4.7400e-003	5.2860e-003
tblVehicleEF	LHD1	5.8910e-003	0.00
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.17	0.19
tblVehicleEF	LHD1	0.80	0.00
tblVehicleEF	LHD1	1.00	1.90
tblVehicleEF	LHD1	9.29	9.03
tblVehicleEF	LHD1	639.64	0.00
tblVehicleEF	LHD1	10.59	16.55
tblVehicleEF	LHD1	8.6300e-004	7.3100e-004
tblVehicleEF	LHD1	0.04	0.00
tblVehicleEF	LHD1	0.02	0.03

Fontana Square - San Bernardino-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	0.08	0.06
tblVehicleEF	LHD1	1.40	0.00
tblVehicleEF	LHD1	0.30	0.42
tblVehicleEF	LHD1	9.6300e-004	7.8000e-004
tblVehicleEF	LHD1	0.08	0.00
tblVehicleEF	LHD1	9.9840e-003	0.00
tblVehicleEF	LHD1	0.01	0.00
tblVehicleEF	LHD1	2.5100e-004	2.5000e-004
tblVehicleEF	LHD1	9.2200e-004	7.4600e-004
tblVehicleEF	LHD1	0.03	0.00
tblVehicleEF	LHD1	2.4960e-003	0.00
tblVehicleEF	LHD1	0.01	0.00
tblVehicleEF	LHD1	2.3100e-004	2.3000e-004
tblVehicleEF	LHD1	3.0110e-003	0.15
tblVehicleEF	LHD1	0.08	0.04
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.4760e-003	0.00
tblVehicleEF	LHD1	0.06	0.00
tblVehicleEF	LHD1	0.23	0.07
tblVehicleEF	LHD1	0.07	0.11
tblVehicleEF	LHD1	9.0000e-005	8.8000e-005
tblVehicleEF	LHD1	6.2250e-003	0.00
tblVehicleEF	LHD1	1.0500e-004	1.6400e-004
tblVehicleEF	LHD1	3.0110e-003	0.15
tblVehicleEF	LHD1	0.08	0.04
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.4760e-003	0.00
tblVehicleEF	LHD1	0.08	0.00
tblVehicleEF	LHD1	0.23	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	LHD1	0.08	0.12
tblVehicleEF	LHD1	4.7550e-003	5.3050e-003
tblVehicleEF	LHD1	6.0290e-003	0.00
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.17	0.19
tblVehicleEF	LHD1	0.82	0.00
tblVehicleEF	LHD1	0.93	1.80
tblVehicleEF	LHD1	9.29	9.03
tblVehicleEF	LHD1	639.67	0.00
tblVehicleEF	LHD1	10.48	16.38
tblVehicleEF	LHD1	8.6600e-004	7.3300e-004
tblVehicleEF	LHD1	0.04	0.00
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.31	0.00
tblVehicleEF	LHD1	0.28	0.41
tblVehicleEF	LHD1	9.6300e-004	7.8000e-004
tblVehicleEF	LHD1	0.08	0.00
tblVehicleEF	LHD1	9.9840e-003	0.00
tblVehicleEF	LHD1	0.01	0.00
tblVehicleEF	LHD1	2.5100e-004	2.5000e-004
tblVehicleEF	LHD1	9.2200e-004	7.4600e-004
tblVehicleEF	LHD1	0.03	0.00
tblVehicleEF	LHD1	2.4960e-003	0.00
tblVehicleEF	LHD1	0.01	0.00
tblVehicleEF	LHD1	2.3100e-004	2.3000e-004
tblVehicleEF	LHD1	5.9530e-003	0.19
tblVehicleEF	LHD1	0.10	0.04
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	3.3570e-003	0.00
tblVehicleEF	LHD1	0.06	0.00
tblVehicleEF	LHD1	0.23	0.08
tblVehicleEF	LHD1	0.07	0.11
tblVehicleEF	LHD1	9.0000e-005	8.8000e-005
tblVehicleEF	LHD1	6.2250e-003	0.00
tblVehicleEF	LHD1	1.0400e-004	1.6200e-004
tblVehicleEF	LHD1	5.9530e-003	0.19
tblVehicleEF	LHD1	0.10	0.04
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	3.3570e-003	0.00
tblVehicleEF	LHD1	0.08	0.00
tblVehicleEF	LHD1	0.23	0.08
tblVehicleEF	LHD1	0.08	0.12
tblVehicleEF	LHD1	4.7430e-003	5.2890e-003
tblVehicleEF	LHD1	5.9060e-003	0.00
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.17	0.19
tblVehicleEF	LHD1	0.80	0.00
tblVehicleEF	LHD1	0.98	1.89
tblVehicleEF	LHD1	9.29	9.03
tblVehicleEF	LHD1	639.64	0.00
tblVehicleEF	LHD1	10.56	16.53
tblVehicleEF	LHD1	8.6400e-004	7.3100e-004
tblVehicleEF	LHD1	0.04	0.00
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	1.37	0.00
tblVehicleEF	LHD1	0.29	0.42

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

tblVehicleEF	LHD1	9.6300e-004	7.8000e-004
tblVehicleEF	LHD1	0.08	0.00
tblVehicleEF	LHD1	9.9840e-003	0.00
tblVehicleEF	LHD1	0.01	0.00
tblVehicleEF	LHD1	2.5100e-004	2.5000e-004
tblVehicleEF	LHD1	9.2200e-004	7.4600e-004
tblVehicleEF	LHD1	0.03	0.00
tblVehicleEF	LHD1	2.4960e-003	0.00
tblVehicleEF	LHD1	0.01	0.00
tblVehicleEF	LHD1	2.3100e-004	2.3000e-004
tblVehicleEF	LHD1	3.3060e-003	0.15
tblVehicleEF	LHD1	0.10	0.04
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.4540e-003	0.00
tblVehicleEF	LHD1	0.06	0.00
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD1	0.07	0.11
tblVehicleEF	LHD1	9.0000e-005	8.8000e-005
tblVehicleEF	LHD1	6.2250e-003	0.00
tblVehicleEF	LHD1	1.0500e-004	1.6300e-004
tblVehicleEF	LHD1	3.3060e-003	0.15
tblVehicleEF	LHD1	0.10	0.04
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.4540e-003	0.00
tblVehicleEF	LHD1	0.08	0.00
tblVehicleEF	LHD1	0.25	0.07
tblVehicleEF	LHD1	0.08	0.12
tblVehicleEF	LHD2	3.2120e-003	3.6570e-003
tblVehicleEF	LHD2	3.8080e-003	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	LHD2	8.8900e-003	0.01
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.51	0.00
tblVehicleEF	LHD2	0.59	1.23
tblVehicleEF	LHD2	14.47	13.83
tblVehicleEF	LHD2	639.77	0.00
tblVehicleEF	LHD2	7.60	10.85
tblVehicleEF	LHD2	1.8270e-003	1.6410e-003
tblVehicleEF	LHD2	0.06	0.00
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.50	0.00
tblVehicleEF	LHD2	0.19	0.28
tblVehicleEF	LHD2	1.4160e-003	1.2630e-003
tblVehicleEF	LHD2	0.09	0.00
tblVehicleEF	LHD2	0.01	0.00
tblVehicleEF	LHD2	0.01	0.00
tblVehicleEF	LHD2	1.2000e-004	1.1800e-004
tblVehicleEF	LHD2	1.3540e-003	1.2080e-003
tblVehicleEF	LHD2	0.04	0.00
tblVehicleEF	LHD2	2.6970e-003	0.00
tblVehicleEF	LHD2	0.01	0.00
tblVehicleEF	LHD2	1.1000e-004	1.0900e-004
tblVehicleEF	LHD2	1.4710e-003	0.09
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7000e-004	0.00
tblVehicleEF	LHD2	0.06	0.00
tblVehicleEF	LHD2	0.10	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	LHD2	0.04	0.07
tblVehicleEF	LHD2	1.3800e-004	1.3300e-004
tblVehicleEF	LHD2	6.1710e-003	0.00
tblVehicleEF	LHD2	7.5000e-005	1.0700e-004
tblVehicleEF	LHD2	1.4710e-003	0.09
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.7000e-004	0.00
tblVehicleEF	LHD2	0.07	0.00
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	0.05	0.08
tblVehicleEF	LHD2	3.2210e-003	3.6710e-003
tblVehicleEF	LHD2	3.8460e-003	0.00
tblVehicleEF	LHD2	8.4910e-003	0.01
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.51	0.00
tblVehicleEF	LHD2	0.55	1.17
tblVehicleEF	LHD2	14.47	13.83
tblVehicleEF	LHD2	639.78	0.00
tblVehicleEF	LHD2	7.54	10.75
tblVehicleEF	LHD2	1.8280e-003	1.6420e-003
tblVehicleEF	LHD2	0.06	0.00
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.41	0.00
tblVehicleEF	LHD2	0.18	0.27
tblVehicleEF	LHD2	1.4160e-003	1.2630e-003
tblVehicleEF	LHD2	0.09	0.00
tblVehicleEF	LHD2	0.01	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	LHD2	0.01	0.00
tblVehicleEF	LHD2	1.2000e-004	1.1800e-004
tblVehicleEF	LHD2	1.3540e-003	1.2080e-003
tblVehicleEF	LHD2	0.04	0.00
tblVehicleEF	LHD2	2.6970e-003	0.00
tblVehicleEF	LHD2	0.01	0.00
tblVehicleEF	LHD2	1.1000e-004	1.0900e-004
tblVehicleEF	LHD2	2.8510e-003	0.11
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.6830e-003	0.00
tblVehicleEF	LHD2	0.06	0.00
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	0.04	0.07
tblVehicleEF	LHD2	1.3800e-004	1.3300e-004
tblVehicleEF	LHD2	6.1710e-003	0.00
tblVehicleEF	LHD2	7.5000e-005	1.0600e-004
tblVehicleEF	LHD2	2.8510e-003	0.11
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.6830e-003	0.00
tblVehicleEF	LHD2	0.07	0.00
tblVehicleEF	LHD2	0.10	0.04
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	3.2130e-003	3.6590e-003
tblVehicleEF	LHD2	3.8130e-003	0.00
tblVehicleEF	LHD2	8.8150e-003	0.01
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.51	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	LHD2	0.58	1.22
tblVehicleEF	LHD2	14.47	13.83
tblVehicleEF	LHD2	639.77	0.00
tblVehicleEF	LHD2	7.59	10.84
tblVehicleEF	LHD2	1.8270e-003	1.6410e-003
tblVehicleEF	LHD2	0.06	0.00
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.11	0.10
tblVehicleEF	LHD2	1.47	0.00
tblVehicleEF	LHD2	0.19	0.28
tblVehicleEF	LHD2	1.4160e-003	1.2630e-003
tblVehicleEF	LHD2	0.09	0.00
tblVehicleEF	LHD2	0.01	0.00
tblVehicleEF	LHD2	0.01	0.00
tblVehicleEF	LHD2	1.2000e-004	1.1800e-004
tblVehicleEF	LHD2	1.3540e-003	1.2080e-003
tblVehicleEF	LHD2	0.04	0.00
tblVehicleEF	LHD2	2.6970e-003	0.00
tblVehicleEF	LHD2	0.01	0.00
tblVehicleEF	LHD2	1.1000e-004	1.0900e-004
tblVehicleEF	LHD2	1.5290e-003	0.09
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.5000e-004	0.00
tblVehicleEF	LHD2	0.06	0.00
tblVehicleEF	LHD2	0.11	0.04
tblVehicleEF	LHD2	0.04	0.07
tblVehicleEF	LHD2	1.3800e-004	1.3300e-004
tblVehicleEF	LHD2	6.1710e-003	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	LHD2	7.5000e-005	1.0700e-004
tblVehicleEF	LHD2	1.5290e-003	0.09
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.5000e-004	0.00
tblVehicleEF	LHD2	0.07	0.00
tblVehicleEF	LHD2	0.11	0.04
tblVehicleEF	LHD2	0.05	0.08
tblVehicleEF	MCY	0.33	0.60
tblVehicleEF	MCY	0.25	0.18
tblVehicleEF	MCY	20.35	0.60
tblVehicleEF	MCY	8.81	7.76
tblVehicleEF	MCY	210.81	0.60
tblVehicleEF	MCY	61.22	50.02
tblVehicleEF	MCY	0.07	0.60
tblVehicleEF	MCY	0.02	8.5240e-003
tblVehicleEF	MCY	1.16	0.60
tblVehicleEF	MCY	0.27	0.14
tblVehicleEF	MCY	0.01	0.60
tblVehicleEF	MCY	4.0000e-003	0.60
tblVehicleEF	MCY	1.8550e-003	0.60
tblVehicleEF	MCY	2.9310e-003	3.3930e-003
tblVehicleEF	MCY	5.0400e-003	0.60
tblVehicleEF	MCY	1.0000e-003	0.60
tblVehicleEF	MCY	1.7350e-003	0.60
tblVehicleEF	MCY	2.7590e-003	3.1930e-003
tblVehicleEF	MCY	1.45	2.52
tblVehicleEF	MCY	0.83	3.59
tblVehicleEF	MCY	0.79	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	MCY	2.21	0.60
tblVehicleEF	MCY	0.41	0.60
tblVehicleEF	MCY	1.89	1.35
tblVehicleEF	MCY	2.0860e-003	0.60
tblVehicleEF	MCY	6.0600e-004	4.9400e-004
tblVehicleEF	MCY	1.45	2.52
tblVehicleEF	MCY	0.83	3.59
tblVehicleEF	MCY	0.79	0.00
tblVehicleEF	MCY	2.72	0.60
tblVehicleEF	MCY	0.41	0.60
tblVehicleEF	MCY	2.06	1.47
tblVehicleEF	MCY	0.32	0.52
tblVehicleEF	MCY	0.22	0.16
tblVehicleEF	MCY	20.49	0.52
tblVehicleEF	MCY	7.97	7.04
tblVehicleEF	MCY	210.83	0.52
tblVehicleEF	MCY	58.99	48.33
tblVehicleEF	MCY	0.06	0.52
tblVehicleEF	MCY	0.01	8.3590e-003
tblVehicleEF	MCY	0.99	0.52
tblVehicleEF	MCY	0.25	0.14
tblVehicleEF	MCY	0.01	0.52
tblVehicleEF	MCY	4.0000e-003	0.52
tblVehicleEF	MCY	1.8550e-003	0.52
tblVehicleEF	MCY	2.9310e-003	3.3930e-003
tblVehicleEF	MCY	5.0400e-003	0.52
tblVehicleEF	MCY	1.0000e-003	0.52
tblVehicleEF	MCY	1.7350e-003	0.52
tblVehicleEF	MCY	2.7590e-003	3.1930e-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	3.14	3.84
tblVehicleEF	MCY	1.27	3.76
tblVehicleEF	MCY	2.11	0.00
tblVehicleEF	MCY	2.16	0.52
tblVehicleEF	MCY	0.41	0.52
tblVehicleEF	MCY	1.62	1.18
tblVehicleEF	MCY	2.0860e-003	0.52
tblVehicleEF	MCY	5.8400e-004	4.7800e-004
tblVehicleEF	MCY	3.14	3.84
tblVehicleEF	MCY	1.27	3.76
tblVehicleEF	MCY	2.11	0.00
tblVehicleEF	MCY	2.65	0.52
tblVehicleEF	MCY	0.41	0.52
tblVehicleEF	MCY	1.77	1.29
tblVehicleEF	MCY	0.32	0.58
tblVehicleEF	MCY	0.24	0.18
tblVehicleEF	MCY	19.44	0.58
tblVehicleEF	MCY	8.46	7.64
tblVehicleEF	MCY	209.24	0.58
tblVehicleEF	MCY	60.43	49.76
tblVehicleEF	MCY	0.07	0.58
tblVehicleEF	MCY	0.02	8.5300e-003
tblVehicleEF	MCY	1.12	0.58
tblVehicleEF	MCY	0.26	0.14
tblVehicleEF	MCY	0.01	0.58
tblVehicleEF	MCY	4.0000e-003	0.58
tblVehicleEF	MCY	1.8550e-003	0.58
tblVehicleEF	MCY	2.9310e-003	3.3930e-003
tblVehicleEF	MCY	5.0400e-003	0.58

Fontana Square - San Bernardino-South Coast County, Summer

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

tblVehicleEF	MCY	1.0000e-003	0.58
tblVehicleEF	MCY	1.7350e-003	0.58
tblVehicleEF	MCY	2.7590e-003	3.1930e-003
tblVehicleEF	MCY	1.70	2.59
tblVehicleEF	MCY	1.11	3.60
tblVehicleEF	MCY	0.71	0.00
tblVehicleEF	MCY	2.18	0.58
tblVehicleEF	MCY	0.47	0.58
tblVehicleEF	MCY	1.82	1.33
tblVehicleEF	MCY	2.0710e-003	0.58
tblVehicleEF	MCY	5.9800e-004	4.9200e-004
tblVehicleEF	MCY	1.70	2.59
tblVehicleEF	MCY	1.11	3.60
tblVehicleEF	MCY	0.71	0.00
tblVehicleEF	MCY	2.68	0.58
tblVehicleEF	MCY	0.47	0.58
tblVehicleEF	MCY	1.98	1.44
tblVehicleEF	MDV	4.8920e-003	4.9910e-003
tblVehicleEF	MDV	0.08	0.11
tblVehicleEF	MDV	1.03	1.22
tblVehicleEF	MDV	3.15	4.22
tblVehicleEF	MDV	398.16	433.60
tblVehicleEF	MDV	84.05	109.37
tblVehicleEF	MDV	9.3660e-003	0.01
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.35	0.50
tblVehicleEF	MDV	0.04	8.7870e-003
tblVehicleEF	MDV	1.5440e-003	1.5200e-003

Fontana Square - San Bernardino-South Coast County, Summer

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

tblVehicleEF	MDV	1.9430e-003	2.3190e-003
tblVehicleEF	MDV	0.02	3.0750e-003
tblVehicleEF	MDV	1.4240e-003	1.4020e-003
tblVehicleEF	MDV	1.7870e-003	2.1330e-003
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.10	0.00
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.41	0.57
tblVehicleEF	MDV	3.9360e-003	4.2840e-003
tblVehicleEF	MDV	8.3200e-004	1.0810e-003
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.10	0.00
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.45	0.63
tblVehicleEF	MDV	5.5990e-003	5.3090e-003
tblVehicleEF	MDV	0.07	0.10
tblVehicleEF	MDV	1.25	1.62
tblVehicleEF	MDV	2.60	3.53
tblVehicleEF	MDV	422.98	459.32
tblVehicleEF	MDV	82.96	108.00
tblVehicleEF	MDV	8.7990e-003	9.0850e-003
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.09	0.11
tblVehicleEF	MDV	0.33	0.46
tblVehicleEF	MDV	0.04	8.7870e-003

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

tblVehicleEF	MDV	1.5440e-003	1.5200e-003
tblVehicleEF	MDV	1.9430e-003	2.3190e-003
tblVehicleEF	MDV	0.02	3.0750e-003
tblVehicleEF	MDV	1.4240e-003	1.4020e-003
tblVehicleEF	MDV	1.7870e-003	2.1330e-003
tblVehicleEF	MDV	0.23	0.59
tblVehicleEF	MDV	0.19	0.12
tblVehicleEF	MDV	0.21	0.00
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.35	0.49
tblVehicleEF	MDV	4.1820e-003	4.5380e-003
tblVehicleEF	MDV	8.2100e-004	1.0680e-003
tblVehicleEF	MDV	0.23	0.59
tblVehicleEF	MDV	0.19	0.12
tblVehicleEF	MDV	0.21	0.00
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.38	0.54
tblVehicleEF	MDV	4.7660e-003	4.9450e-003
tblVehicleEF	MDV	0.08	0.11
tblVehicleEF	MDV	0.97	1.14
tblVehicleEF	MDV	3.10	4.23
tblVehicleEF	MDV	392.28	428.88
tblVehicleEF	MDV	83.96	109.40
tblVehicleEF	MDV	9.0200e-003	9.8660e-003
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.10	0.13
tblVehicleEF	MDV	0.35	0.49

Fontana Square - San Bernardino-South Coast County, Summer

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

tblVehicleEF	MDV	0.04	8.7870e-003
tblVehicleEF	MDV	1.5440e-003	1.5200e-003
tblVehicleEF	MDV	1.9430e-003	2.3190e-003
tblVehicleEF	MDV	0.02	3.0750e-003
tblVehicleEF	MDV	1.4240e-003	1.4020e-003
tblVehicleEF	MDV	1.7870e-003	2.1330e-003
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.18	0.11
tblVehicleEF	MDV	0.09	0.00
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.07	0.04
tblVehicleEF	MDV	0.41	0.58
tblVehicleEF	MDV	3.8780e-003	4.2380e-003
tblVehicleEF	MDV	8.3100e-004	1.0820e-003
tblVehicleEF	MDV	0.11	0.47
tblVehicleEF	MDV	0.18	0.11
tblVehicleEF	MDV	0.09	0.00
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.07	0.04
tblVehicleEF	MDV	0.45	0.63
tblVehicleEF	MH	0.01	6.7000e-005
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.31	3.3450e-003
tblVehicleEF	MH	2.12	2.43
tblVehicleEF	MH	1,476.34	5.6320e-003
tblVehicleEF	MH	18.76	22.86
tblVehicleEF	MH	0.06	2.0000e-006
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.55	1.40

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

tblVehicleEF	MH	0.24	0.30
tblVehicleEF	MH	0.13	0.00
tblVehicleEF	MH	0.01	0.00
tblVehicleEF	MH	0.04	0.00
tblVehicleEF	MH	2.5200e-004	2.8800e-004
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	3.2820e-003	5.4900e-004
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	2.3200e-004	2.6500e-004
tblVehicleEF	MH	1.13	35.88
tblVehicleEF	MH	0.07	8.79
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.02	2.1970e-003
tblVehicleEF	MH	0.10	0.11
tblVehicleEF	MH	0.01	5.8000e-005
tblVehicleEF	MH	1.8600e-004	2.2600e-004
tblVehicleEF	MH	1.13	35.88
tblVehicleEF	MH	0.07	8.79
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.08	7.2750e-003
tblVehicleEF	MH	0.02	2.1970e-003
tblVehicleEF	MH	0.11	0.12
tblVehicleEF	MH	0.01	6.9000e-005
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.36	3.5990e-003
tblVehicleEF	MH	1.94	2.26
tblVehicleEF	MH	1,476.41	5.6330e-003
tblVehicleEF	MH	18.45	22.57

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

tblVehicleEF	MH	0.06	2.0000e-006
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.43	1.30
tblVehicleEF	MH	0.23	0.29
tblVehicleEF	MH	0.13	0.00
tblVehicleEF	MH	0.01	0.00
tblVehicleEF	MH	0.04	0.00
tblVehicleEF	MH	2.5200e-004	2.8800e-004
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	3.2820e-003	5.1800e-004
tblVehicleEF	MH	0.04	0.13
tblVehicleEF	MH	2.3200e-004	2.6500e-004
tblVehicleEF	MH	2.24	47.68
tblVehicleEF	MH	0.08	9.57
tblVehicleEF	MH	0.95	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.02	2.2970e-003
tblVehicleEF	MH	0.09	0.11
tblVehicleEF	MH	0.01	6.2000e-005
tblVehicleEF	MH	1.8300e-004	2.2300e-004
tblVehicleEF	MH	2.24	47.68
tblVehicleEF	MH	0.08	9.57
tblVehicleEF	MH	0.95	0.00
tblVehicleEF	MH	0.09	8.1800e-003
tblVehicleEF	MH	0.02	2.2970e-003
tblVehicleEF	MH	0.10	0.12
tblVehicleEF	MH	0.01	6.7000e-005
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.32	3.4470e-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	MH	2.10	2.44
tblVehicleEF	MH	1,476.34	5.6320e-003
tblVehicleEF	MH	18.73	22.87
tblVehicleEF	MH	0.06	2.0000e-006
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.52	1.37
tblVehicleEF	MH	0.24	0.29
tblVehicleEF	MH	0.13	0.00
tblVehicleEF	MH	0.01	0.00
tblVehicleEF	MH	0.04	0.00
tblVehicleEF	MH	2.5200e-004	2.8800e-004
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	3.2820e-003	5.4000e-004
tblVehicleEF	MH	0.04	0.14
tblVehicleEF	MH	2.3200e-004	2.6500e-004
tblVehicleEF	MH	1.31	35.90
tblVehicleEF	MH	0.08	8.73
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.06	0.00
tblVehicleEF	MH	0.02	2.2630e-003
tblVehicleEF	MH	0.10	0.11
tblVehicleEF	MH	0.01	6.0000e-005
tblVehicleEF	MH	1.8500e-004	2.2600e-004
tblVehicleEF	MH	1.31	35.90
tblVehicleEF	MH	0.08	8.73
tblVehicleEF	MH	0.40	0.00
tblVehicleEF	MH	0.08	7.2340e-003
tblVehicleEF	MH	0.02	2.2630e-003
tblVehicleEF	MH	0.11	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	MHD	3.1530e-003	0.02
tblVehicleEF	MHD	1.3810e-003	7.8470e-003
tblVehicleEF	MHD	8.3340e-003	6.8570e-003
tblVehicleEF	MHD	0.34	0.64
tblVehicleEF	MHD	0.18	0.27
tblVehicleEF	MHD	0.93	0.80
tblVehicleEF	MHD	65.85	161.27
tblVehicleEF	MHD	964.19	1,139.31
tblVehicleEF	MHD	8.18	6.64
tblVehicleEF	MHD	9.5300e-003	0.03
tblVehicleEF	MHD	0.13	0.15
tblVehicleEF	MHD	6.4400e-003	4.6830e-003
tblVehicleEF	MHD	0.37	0.86
tblVehicleEF	MHD	0.98	0.80
tblVehicleEF	MHD	1.74	1.47
tblVehicleEF	MHD	3.3600e-004	1.6770e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	7.7530e-003	9.8340e-003
tblVehicleEF	MHD	9.6000e-005	7.7000e-005
tblVehicleEF	MHD	3.2200e-004	1.6040e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	7.4140e-003	9.4040e-003
tblVehicleEF	MHD	8.9000e-005	7.1000e-005
tblVehicleEF	MHD	5.4500e-004	0.02
tblVehicleEF	MHD	0.02	5.4430e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.8100e-004	0.00
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.02	0.01

Fontana Square - San Bernardino-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	0.04	0.04
tblVehicleEF	MHD	6.2500e-004	1.4860e-003
tblVehicleEF	MHD	9.1890e-003	0.01
tblVehicleEF	MHD	8.1000e-005	6.6000e-005
tblVehicleEF	MHD	5.4500e-004	0.02
tblVehicleEF	MHD	0.02	5.4430e-003
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	2.8100e-004	0.00
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.05	0.04
tblVehicleEF	MHD	3.0020e-003	0.02
tblVehicleEF	MHD	1.4140e-003	7.8840e-003
tblVehicleEF	MHD	7.9510e-003	6.5850e-003
tblVehicleEF	MHD	0.30	0.60
tblVehicleEF	MHD	0.19	0.27
tblVehicleEF	MHD	0.87	0.75
tblVehicleEF	MHD	65.73	160.06
tblVehicleEF	MHD	964.20	1,139.32
tblVehicleEF	MHD	8.08	6.57
tblVehicleEF	MHD	9.4800e-003	0.02
tblVehicleEF	MHD	0.13	0.15
tblVehicleEF	MHD	6.3090e-003	4.6080e-003
tblVehicleEF	MHD	0.36	0.83
tblVehicleEF	MHD	0.92	0.75
tblVehicleEF	MHD	1.74	1.47
tblVehicleEF	MHD	2.8600e-004	1.4240e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	7.7530e-003	9.8340e-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	9.6000e-005	7.7000e-005
tblVehicleEF	MHD	2.7400e-004	1.3620e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	7.4140e-003	9.4040e-003
tblVehicleEF	MHD	8.9000e-005	7.1000e-005
tblVehicleEF	MHD	1.0730e-003	0.04
tblVehicleEF	MHD	0.02	5.9140e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.4100e-004	0.00
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	6.2400e-004	1.4740e-003
tblVehicleEF	MHD	9.1890e-003	0.01
tblVehicleEF	MHD	8.0000e-005	6.5000e-005
tblVehicleEF	MHD	1.0730e-003	0.04
tblVehicleEF	MHD	0.02	5.9140e-003
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	6.4100e-004	0.00
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	3.3770e-003	0.02
tblVehicleEF	MHD	1.3840e-003	7.8470e-003
tblVehicleEF	MHD	8.2380e-003	6.8090e-003
tblVehicleEF	MHD	0.41	0.71
tblVehicleEF	MHD	0.18	0.27
tblVehicleEF	MHD	0.92	0.79
tblVehicleEF	MHD	66.01	162.94

Fontana Square - San Bernardino-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	964.19	1,139.31
tblVehicleEF	MHD	8.16	6.63
tblVehicleEF	MHD	9.6050e-003	0.03
tblVehicleEF	MHD	0.13	0.15
tblVehicleEF	MHD	6.3970e-003	4.6640e-003
tblVehicleEF	MHD	0.38	0.90
tblVehicleEF	MHD	0.96	0.78
tblVehicleEF	MHD	1.74	1.47
tblVehicleEF	MHD	4.0500e-004	2.0270e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	7.7530e-003	9.8340e-003
tblVehicleEF	MHD	9.6000e-005	7.7000e-005
tblVehicleEF	MHD	3.8700e-004	1.9380e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	7.4140e-003	9.4040e-003
tblVehicleEF	MHD	8.9000e-005	7.1000e-005
tblVehicleEF	MHD	5.8500e-004	0.03
tblVehicleEF	MHD	0.02	5.4070e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.7500e-004	0.00
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	6.2600e-004	1.5010e-003
tblVehicleEF	MHD	9.1890e-003	0.01
tblVehicleEF	MHD	8.1000e-005	6.6000e-005
tblVehicleEF	MHD	5.8500e-004	0.03
tblVehicleEF	MHD	0.02	5.4070e-003
tblVehicleEF	MHD	0.02	0.04

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

tblVehicleEF	MHD	2.7500e-004	0.00
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	0.05	0.04
tblVehicleEF	OBUS	9.0500e-003	0.02
tblVehicleEF	OBUS	7.0260e-003	0.04
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.49	0.51
tblVehicleEF	OBUS	0.84	1.03
tblVehicleEF	OBUS	2.67	2.80
tblVehicleEF	OBUS	64.20	70.75
tblVehicleEF	OBUS	1,447.03	1,470.48
tblVehicleEF	OBUS	21.60	23.17
tblVehicleEF	OBUS	7.8950e-003	9.3020e-003
tblVehicleEF	OBUS	0.08	0.12
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.22	0.27
tblVehicleEF	OBUS	0.89	1.11
tblVehicleEF	OBUS	0.65	0.67
tblVehicleEF	OBUS	7.5000e-005	6.8900e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	6.2060e-003	0.02
tblVehicleEF	OBUS	2.3200e-004	2.5900e-004
tblVehicleEF	OBUS	7.2000e-005	6.5900e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	5.9170e-003	0.02
tblVehicleEF	OBUS	2.1400e-004	2.3800e-004
tblVehicleEF	OBUS	2.7710e-003	0.13
tblVehicleEF	OBUS	0.03	0.03

Fontana Square - San Bernardino-South Coast County, Summer

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

tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	1.1450e-003	0.00
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.13	0.14
tblVehicleEF	OBUS	6.1300e-004	6.4000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.1400e-004	2.2900e-004
tblVehicleEF	OBUS	2.7710e-003	0.13
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	1.1450e-003	0.00
tblVehicleEF	OBUS	0.05	0.11
tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.14	0.15
tblVehicleEF	OBUS	9.1220e-003	0.02
tblVehicleEF	OBUS	7.2340e-003	0.04
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.49	0.50
tblVehicleEF	OBUS	0.86	1.05
tblVehicleEF	OBUS	2.45	2.60
tblVehicleEF	OBUS	63.54	70.21
tblVehicleEF	OBUS	1,447.07	1,470.51
tblVehicleEF	OBUS	21.23	22.84
tblVehicleEF	OBUS	7.7990e-003	9.2220e-003
tblVehicleEF	OBUS	0.08	0.11
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.21	0.25
tblVehicleEF	OBUS	0.81	1.03

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

tblVehicleEF	OBUS	0.64	0.66
tblVehicleEF	OBUS	6.7000e-005	5.8700e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	6.2060e-003	0.02
tblVehicleEF	OBUS	2.3200e-004	2.5900e-004
tblVehicleEF	OBUS	6.4000e-005	5.6100e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	5.9170e-003	0.02
tblVehicleEF	OBUS	2.1400e-004	2.3800e-004
tblVehicleEF	OBUS	5.3950e-003	0.18
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	2.6270e-003	0.00
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.12	0.13
tblVehicleEF	OBUS	6.0700e-004	6.3500e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.1000e-004	2.2600e-004
tblVehicleEF	OBUS	5.3950e-003	0.18
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.06	0.08
tblVehicleEF	OBUS	2.6270e-003	0.00
tblVehicleEF	OBUS	0.05	0.11
tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.13	0.14
tblVehicleEF	OBUS	8.9910e-003	0.02
tblVehicleEF	OBUS	7.0490e-003	0.04
tblVehicleEF	OBUS	0.02	0.03

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

tblVehicleEF	OBUS	0.50	0.52
tblVehicleEF	OBUS	0.84	1.03
tblVehicleEF	OBUS	2.65	2.80
tblVehicleEF	OBUS	65.11	71.50
tblVehicleEF	OBUS	1,447.04	1,470.48
tblVehicleEF	OBUS	21.57	23.18
tblVehicleEF	OBUS	8.0390e-003	9.4210e-003
tblVehicleEF	OBUS	0.08	0.12
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.24	0.28
tblVehicleEF	OBUS	0.87	1.09
tblVehicleEF	OBUS	0.65	0.67
tblVehicleEF	OBUS	8.7000e-005	8.3100e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	6.2060e-003	0.02
tblVehicleEF	OBUS	2.3200e-004	2.5900e-004
tblVehicleEF	OBUS	8.3000e-005	7.9500e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	5.9170e-003	0.02
tblVehicleEF	OBUS	2.1400e-004	2.3800e-004
tblVehicleEF	OBUS	2.9680e-003	0.13
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	1.1520e-003	0.00
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.13	0.14
tblVehicleEF	OBUS	6.2200e-004	6.4700e-004
tblVehicleEF	OBUS	0.01	0.01

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

tblVehicleEF	OBUS	2.1300e-004	2.2900e-004
tblVehicleEF	OBUS	2.9680e-003	0.13
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.06	0.07
tblVehicleEF	OBUS	1.1520e-003	0.00
tblVehicleEF	OBUS	0.05	0.11
tblVehicleEF	OBUS	0.09	0.04
tblVehicleEF	OBUS	0.14	0.15
tblVehicleEF	SBUS	0.04	0.50
tblVehicleEF	SBUS	6.3500e-003	1.33
tblVehicleEF	SBUS	4.2050e-003	6.8190e-003
tblVehicleEF	SBUS	1.97	2.86
tblVehicleEF	SBUS	0.53	5.08
tblVehicleEF	SBUS	0.56	0.90
tblVehicleEF	SBUS	335.22	267.83
tblVehicleEF	SBUS	1,114.40	1,233.75
tblVehicleEF	SBUS	3.30	5.46
tblVehicleEF	SBUS	0.05	0.04
tblVehicleEF	SBUS	0.15	0.17
tblVehicleEF	SBUS	3.4430e-003	5.7320e-003
tblVehicleEF	SBUS	3.25	1.18
tblVehicleEF	SBUS	4.79	2.54
tblVehicleEF	SBUS	1.01	0.17
tblVehicleEF	SBUS	3.6370e-003	1.7720e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	3.1000e-005	5.2000e-005
tblVehicleEF	SBUS	3.4800e-003	1.6780e-003

Fontana Square - San Bernardino-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	0.32	0.02
tblVehicleEF	SBUS	2.7580e-003	2.5630e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	2.8000e-005	4.8000e-005
tblVehicleEF	SBUS	7.0200e-004	0.05
tblVehicleEF	SBUS	5.3270e-003	0.01
tblVehicleEF	SBUS	0.21	0.27
tblVehicleEF	SBUS	3.4700e-004	0.00
tblVehicleEF	SBUS	0.09	0.08
tblVehicleEF	SBUS	9.2300e-003	0.01
tblVehicleEF	SBUS	0.02	0.04
tblVehicleEF	SBUS	3.1870e-003	1.2960e-003
tblVehicleEF	SBUS	0.01	6.9480e-003
tblVehicleEF	SBUS	3.3000e-005	5.4000e-005
tblVehicleEF	SBUS	7.0200e-004	0.05
tblVehicleEF	SBUS	5.3270e-003	0.01
tblVehicleEF	SBUS	0.29	0.83
tblVehicleEF	SBUS	3.4700e-004	0.00
tblVehicleEF	SBUS	0.11	1.44
tblVehicleEF	SBUS	9.2300e-003	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	0.04	0.50
tblVehicleEF	SBUS	6.4280e-003	1.33
tblVehicleEF	SBUS	3.4810e-003	5.7110e-003
tblVehicleEF	SBUS	1.93	2.85
tblVehicleEF	SBUS	0.54	5.09
tblVehicleEF	SBUS	0.40	0.65
tblVehicleEF	SBUS	342.54	270.71
tblVehicleEF	SBUS	1,114.41	1,233.78

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

tblVehicleEF	SBUS	3.03	5.04
tblVehicleEF	SBUS	0.05	0.04
tblVehicleEF	SBUS	0.15	0.17
tblVehicleEF	SBUS	3.3180e-003	5.5290e-003
tblVehicleEF	SBUS	3.32	1.21
tblVehicleEF	SBUS	4.49	2.37
tblVehicleEF	SBUS	1.01	0.17
tblVehicleEF	SBUS	3.0750e-003	1.5680e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	3.1000e-005	5.2000e-005
tblVehicleEF	SBUS	2.9420e-003	1.4830e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.7580e-003	2.5630e-003
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	2.8000e-005	4.8000e-005
tblVehicleEF	SBUS	1.2680e-003	0.07
tblVehicleEF	SBUS	5.5830e-003	0.01
tblVehicleEF	SBUS	0.21	0.27
tblVehicleEF	SBUS	6.7000e-004	0.00
tblVehicleEF	SBUS	0.09	0.08
tblVehicleEF	SBUS	8.4450e-003	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	3.2560e-003	1.3230e-003
tblVehicleEF	SBUS	0.01	6.9490e-003
tblVehicleEF	SBUS	3.0000e-005	5.0000e-005
tblVehicleEF	SBUS	1.2680e-003	0.07
tblVehicleEF	SBUS	5.5830e-003	0.01

Fontana Square - San Bernardino-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	0.29	0.83
tblVehicleEF	SBUS	6.7000e-004	0.00
tblVehicleEF	SBUS	0.11	1.44
tblVehicleEF	SBUS	8.4450e-003	0.01
tblVehicleEF	SBUS	0.02	0.04
tblVehicleEF	SBUS	0.04	0.50
tblVehicleEF	SBUS	6.3460e-003	1.33
tblVehicleEF	SBUS	4.3050e-003	7.0250e-003
tblVehicleEF	SBUS	2.02	2.88
tblVehicleEF	SBUS	0.53	5.08
tblVehicleEF	SBUS	0.58	0.94
tblVehicleEF	SBUS	325.10	263.85
tblVehicleEF	SBUS	1,114.40	1,233.75
tblVehicleEF	SBUS	3.33	5.53
tblVehicleEF	SBUS	0.05	0.04
tblVehicleEF	SBUS	0.15	0.17
tblVehicleEF	SBUS	3.4750e-003	5.8020e-003
tblVehicleEF	SBUS	3.17	1.14
tblVehicleEF	SBUS	4.72	2.50
tblVehicleEF	SBUS	1.01	0.17
tblVehicleEF	SBUS	4.4140e-003	2.0550e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	3.1000e-005	5.2000e-005
tblVehicleEF	SBUS	4.2230e-003	1.9490e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.7580e-003	2.5630e-003
tblVehicleEF	SBUS	0.03	0.01

Fontana Square - San Bernardino-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	2.8000e-005	4.8000e-005
tblVehicleEF	SBUS	6.6500e-004	0.05
tblVehicleEF	SBUS	5.4720e-003	0.01
tblVehicleEF	SBUS	0.21	0.27
tblVehicleEF	SBUS	3.4800e-004	0.00
tblVehicleEF	SBUS	0.09	0.08
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.04
tblVehicleEF	SBUS	3.0910e-003	1.2580e-003
tblVehicleEF	SBUS	0.01	6.9480e-003
tblVehicleEF	SBUS	3.3000e-005	5.5000e-005
tblVehicleEF	SBUS	6.6500e-004	0.05
tblVehicleEF	SBUS	5.4720e-003	0.01
tblVehicleEF	SBUS	0.29	0.83
tblVehicleEF	SBUS	3.4800e-004	0.00
tblVehicleEF	SBUS	0.11	1.44
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	UBUS	4.19	1.79
tblVehicleEF	UBUS	0.02	9.4570e-003
tblVehicleEF	UBUS	32.68	26.54
tblVehicleEF	UBUS	1.41	1.06
tblVehicleEF	UBUS	1,722.05	1,674.51
tblVehicleEF	UBUS	16.73	7.80
tblVehicleEF	UBUS	0.28	0.32
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	0.37	0.45
tblVehicleEF	UBUS	0.16	0.09
tblVehicleEF	UBUS	0.08	0.11

Fontana Square - San Bernardino-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	0.03	0.03
tblVehicleEF	UBUS	2.6960e-003	1.5880e-003
tblVehicleEF	UBUS	1.9800e-004	3.5000e-005
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	6.3130e-003	7.1750e-003
tblVehicleEF	UBUS	2.5630e-003	1.5150e-003
tblVehicleEF	UBUS	1.8200e-004	3.2000e-005
tblVehicleEF	UBUS	1.1340e-003	0.03
tblVehicleEF	UBUS	8.4390e-003	9.0730e-003
tblVehicleEF	UBUS	6.6300e-004	0.00
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	1.0620e-003	6.3400e-004
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	3.8500e-003	1.0130e-003
tblVehicleEF	UBUS	1.6600e-004	7.7000e-005
tblVehicleEF	UBUS	1.1340e-003	0.03
tblVehicleEF	UBUS	8.4390e-003	9.0730e-003
tblVehicleEF	UBUS	6.6300e-004	0.00
tblVehicleEF	UBUS	4.28	1.83
tblVehicleEF	UBUS	1.0620e-003	6.3400e-004
tblVehicleEF	UBUS	0.07	0.04
tblVehicleEF	UBUS	4.19	1.79
tblVehicleEF	UBUS	0.01	8.6310e-003
tblVehicleEF	UBUS	32.68	26.54
tblVehicleEF	UBUS	1.16	0.90
tblVehicleEF	UBUS	1,722.05	1,674.51
tblVehicleEF	UBUS	16.31	7.54
tblVehicleEF	UBUS	0.28	0.32
tblVehicleEF	UBUS	0.02	0.01

Fontana Square - San Bernardino-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	0.37	0.44
tblVehicleEF	UBUS	0.15	0.08
tblVehicleEF	UBUS	0.08	0.11
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	2.6960e-003	1.5880e-003
tblVehicleEF	UBUS	1.9800e-004	3.5000e-005
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	6.3130e-003	7.1750e-003
tblVehicleEF	UBUS	2.5630e-003	1.5150e-003
tblVehicleEF	UBUS	1.8200e-004	3.2000e-005
tblVehicleEF	UBUS	2.1510e-003	0.05
tblVehicleEF	UBUS	0.01	9.8320e-003
tblVehicleEF	UBUS	1.5020e-003	0.00
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	1.0390e-003	6.6400e-004
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	3.8500e-003	1.0130e-003
tblVehicleEF	UBUS	1.6100e-004	7.5000e-005
tblVehicleEF	UBUS	2.1510e-003	0.05
tblVehicleEF	UBUS	0.01	9.8320e-003
tblVehicleEF	UBUS	1.5020e-003	0.00
tblVehicleEF	UBUS	4.28	1.83
tblVehicleEF	UBUS	1.0390e-003	6.6400e-004
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	4.19	1.79
tblVehicleEF	UBUS	0.02	9.5350e-003
tblVehicleEF	UBUS	32.68	26.54
tblVehicleEF	UBUS	1.37	1.07
tblVehicleEF	UBUS	1,722.05	1,674.51

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

tblVehicleEF	UBUS	16.68	7.82
tblVehicleEF	UBUS	0.28	0.32
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	0.37	0.45
tblVehicleEF	UBUS	0.16	0.09
tblVehicleEF	UBUS	0.08	0.11
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	2.6960e-003	1.5880e-003
tblVehicleEF	UBUS	1.9800e-004	3.5000e-005
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	6.3130e-003	7.1750e-003
tblVehicleEF	UBUS	2.5630e-003	1.5150e-003
tblVehicleEF	UBUS	1.8200e-004	3.2000e-005
tblVehicleEF	UBUS	1.1960e-003	0.03
tblVehicleEF	UBUS	9.6290e-003	9.0220e-003
tblVehicleEF	UBUS	6.5800e-004	0.00
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	1.2250e-003	6.5200e-004
tblVehicleEF	UBUS	0.06	0.03
tblVehicleEF	UBUS	3.8500e-003	1.0130e-003
tblVehicleEF	UBUS	1.6500e-004	7.7000e-005
tblVehicleEF	UBUS	1.1960e-003	0.03
tblVehicleEF	UBUS	9.6290e-003	9.0220e-003
tblVehicleEF	UBUS	6.5800e-004	0.00
tblVehicleEF	UBUS	4.28	1.83
tblVehicleEF	UBUS	1.2250e-003	6.5200e-004
tblVehicleEF	UBUS	0.07	0.04
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	616.12	0.00

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

tblVehicleTrips	ST_TR	122.40	984.80
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	90.04	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	472.58	0.00
tblVehicleTrips	SU_TR	142.64	984.80
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	71.97	0.00
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	470.95	0.00
tblVehicleTrips	WD_TR	112.18	984.80
tblVehicleTrips	WD_TR	8.36	0.00
tblVehicleTrips	WD_TR	83.84	0.00

2.0 Emissions Summary

Fontana Square - San Bernardino-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					
2022	4.2939	33.1318	41.9935	0.0900	19.8582	1.6136	21.4718	10.1558	1.4845	11.6404	0.0000	8,933.2079	8,933.2079	1.4366	0.3160	9,063.2899
2023	28.3389	17.9201	25.7839	0.0643	3.0101	0.7345	3.7446	0.8108	0.6913	1.5021	0.0000	6,425.5311	6,425.5311	0.7047	0.2966	6,531.5307
Maximum	**28.3389**	**33.1318**	**41.9935**	**0.0900**	**19.8582**	**1.6136**	**21.4718**	**10.1558**	**1.4845**	**11.6404**	**0.0000**	**8,933.2079**	**8,933.2079**	**1.4366**	**0.3160**	**9,063.2899**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	4.2939	33.1318	41.9935	0.0900	7.8517	1.6136	9.4653	3.9894	1.4845	5.4740	0.0000	8,933.2079	8,933.2079	1.4366	0.3160	9,063.2899
2023	28.3389	17.9201	25.7839	0.0643	2.7824	0.7345	3.5169	0.7549	0.6913	1.4462	0.0000	6,425.5311	6,425.5311	0.7047	0.2966	6,531.5307
Maximum	**28.3389**	**33.1318**	**41.9935**	**0.0900**	**7.8517**	**1.6136**	**9.4653**	**3.9894**	**1.4845**	**5.4740**	**0.0000**	**8,933.2079**	**8,933.2079**	**1.4366**	**0.3160**	**9,063.2899**

Fontana Square - San Bernardino-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	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	53.50	0.00	48.52	56.74	0.00	47.34	0.00	0.00	0.00	0.00	0.00	0.00

Fontana Square - San Bernardino-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	4.4006	4.6000e-004	0.0509	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1092	0.1092	2.9000e-004		0.1163
Energy	0.6068	5.5166	4.6340	0.0331		0.4193	0.4193		0.4193	0.4193		6,619.9241	6,619.9241	0.1269	0.1214	6,659.2630
Mobile	13.7863	6.6398	81.4510	0.6729	13.8749	0.6141	14.4889	4.2432	0.6077	4.8509		14,257.4209	14,257.4209	1.4528	1.1841	14,646.6058
Total	**18.7937**	**12.1569**	**86.1359**	**0.7060**	**13.8749**	**1.0335**	**14.9084**	**4.2432**	**1.0272**	**5.2704**		**20,877.4542**	**20,877.4542**	**1.5800**	**1.3055**	**21,305.9851**

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	4.4006	4.6000e-004	0.0509	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1092	0.1092	2.9000e-004		0.1163
Energy	0.4886	4.4420	3.7312	0.0267		0.3376	0.3376		0.3376	0.3376		5,330.3456	5,330.3456	0.1022	0.0977	5,362.0211
Mobile	13.5839	6.0491	72.3856	0.5500	11.3090	0.5050	11.8140	3.4585	0.4994	3.9579		11,775.6909	11,775.6909	1.3281	1.0327	12,116.6410
Total	**18.4731**	**10.4915**	**76.1678**	**0.5766**	**11.3090**	**0.8427**	**12.1518**	**3.4585**	**0.8372**	**4.2957**		**17,106.1456**	**17,106.1456**	**1.4306**	**1.1304**	**17,478.7784**

Fontana Square - San Bernardino-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	N20	CO2e
Percent Reduction	**1.71**	**13.70**	**11.57**	**18.32**	**18.49**	**18.46**	**18.49**	**18.49**	**18.49**	**18.49**	**0.00**	**18.06**	**18.06**	**9.45**	**13.41**	**17.96**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	3/1/2022	3/7/2022	5	5	
2	Site Preparation	Site Preparation	3/8/2022	3/31/2022	5	18	
3	Grading	Grading	4/1/2022	5/31/2022	5	43	
4	Building Construction	Building Construction	6/1/2022	5/31/2023	5	261	
5	Paving	Paving	9/1/2022	10/31/2022	5	43	
6	Architectural Coating	Architectural Coating	6/1/2023	8/31/2023	5	66	

Acres of Grading (Site Preparation Phase): 27

Acres of Grading (Grading Phase): 43

Acres of Paving: 5.58

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 287,823; Non-Residential Outdoor: 95,941; Striped Parking Area: 14,590 (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
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

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

Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	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
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
Architectural Coating	Air Compressors	1	6.00	78	0.48

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	129.00	14.70	6.90	20.00	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
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	220.00	86.00	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
Architectural Coating	1	44.00	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

Fontana Square - San Bernardino-South Coast County, Summer

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

Clean Paved Roads

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.5961	0.0000	5.5961	0.8473	0.0000	0.8473			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
Total	**2.6392**	**25.7194**	**20.5941**	**0.0388**	**5.5961**	**1.2427**	**6.8387**	**0.8473**	**1.1553**	**2.0026**		**3,746.7812**	**3,746.7812**	**1.0524**		**3,773.0920**

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

3.2 Demolition - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0976	3.5163	0.9175	0.0152	0.4518	0.0369	0.4888	0.1239	0.0353	0.1592		1,652.3999	1,652.3999	0.0708	0.2619	1,732.2008
Vendor	0.0000	0.0000	0.0000	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	0.0635	0.0402	0.6171	1.5500e-003	0.1677	8.8000e-004	0.1685	0.0445	8.1000e-004	0.0453		156.4227	156.4227	4.0900e-003	3.9200e-003	157.6925
Total	**0.1611**	**3.5566**	**1.5345**	**0.0167**	**0.6195**	**0.0378**	**0.6573**	**0.1684**	**0.0362**	**0.2045**		**1,808.8226**	**1,808.8226**	**0.0748**	**0.2658**	**1,889.8933**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.1825	0.0000	2.1825	0.3304	0.0000	0.3304			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	**2.6392**	**25.7194**	**20.5941**	**0.0388**	**2.1825**	**1.2427**	**3.4251**	**0.3304**	**1.1553**	**1.4857**	**0.0000**	**3,746.7812**	**3,746.7812**	**1.0524**		**3,773.0920**

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

3.2 Demolition - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0976	3.5163	0.9175	0.0152	0.4211	0.0369	0.4581	0.1164	0.0353	0.1517		1,652.3999	1,652.3999	0.0708	0.2619	1,732.2008
Vendor	0.0000	0.0000	0.0000	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	0.0635	0.0402	0.6171	1.5500e-003	0.1546	8.8000e-004	0.1554	0.0413	8.1000e-004	0.0421		156.4227	156.4227	4.0900e-003	3.9200e-003	157.6925
Total	**0.1611**	**3.5566**	**1.5345**	**0.0167**	**0.5757**	**0.0378**	**0.6135**	**0.1576**	**0.0362**	**0.1938**		**1,808.8226**	**1,808.8226**	**0.0748**	**0.2658**	**1,889.8933**

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	**3.1701**	**33.0835**	**19.6978**	**0.0380**	**19.6570**	**1.6126**	**21.2696**	**10.1025**	**1.4836**	**11.5860**		**3,686.0619**	**3,686.0619**	**1.1922**		**3,715.8655**

Fontana Square - San Bernardino-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 - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0762	0.0483	0.7405	1.8600e-003	0.2012	1.0500e-003	0.2023	0.0534	9.7000e-004	0.0543		187.7072	187.7072	4.9100e-003	4.7000e-003	189.2310
Total	**0.0762**	**0.0483**	**0.7405**	**1.8600e-003**	**0.2012**	**1.0500e-003**	**0.2023**	**0.0534**	**9.7000e-004**	**0.0543**		**187.7072**	**187.7072**	**4.9100e-003**	**4.7000e-003**	**189.2310**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	**3.1701**	**33.0835**	**19.6978**	**0.0380**	**7.6662**	**1.6126**	**9.2788**	**3.9400**	**1.4836**	**5.4235**	**0.0000**	**3,686.0619**	**3,686.0619**	**1.1922**		**3,715.8655**

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

3.3 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0762	0.0483	0.7405	1.8600e-003	0.1855	1.0500e-003	0.1865	0.0495	9.7000e-004	0.0505		187.7072	187.7072	4.9100e-003	4.7000e-003	189.2310
Total	**0.0762**	**0.0483**	**0.7405**	**1.8600e-003**	**0.1855**	**1.0500e-003**	**0.1865**	**0.0495**	**9.7000e-004**	**0.0505**		**187.7072**	**187.7072**	**4.9100e-003**	**4.7000e-003**	**189.2310**

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.0464	2,872.0464	0.9289		2,895.2684
Total	**1.9486**	**20.8551**	**15.2727**	**0.0297**	**7.0826**	**0.9409**	**8.0234**	**3.4247**	**0.8656**	**4.2903**		**2,872.0464**	**2,872.0464**	**0.9289**		**2,895.2684**

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

3.4 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0635	0.0402	0.6171	1.5500e-003	0.1677	8.8000e-004	0.1685	0.0445	8.1000e-004	0.0453		156.4227	156.4227	4.0900e-003	3.9200e-003	157.6925
Total	**0.0635**	**0.0402**	**0.6171**	**1.5500e-003**	**0.1677**	**8.8000e-004**	**0.1685**	**0.0445**	**8.1000e-004**	**0.0453**		**156.4227**	**156.4227**	**4.0900e-003**	**3.9200e-003**	**157.6925**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.7622	0.0000	2.7622	1.3357	0.0000	1.3357			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.0464	2,872.0464	0.9289		2,895.2684
Total	**1.9486**	**20.8551**	**15.2727**	**0.0297**	**2.7622**	**0.9409**	**3.7031**	**1.3357**	**0.8656**	**2.2012**	**0.0000**	**2,872.0464**	**2,872.0464**	**0.9289**		**2,895.2684**

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

3.4 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0635	0.0402	0.6171	1.5500e-003	0.1546	8.8000e-004	0.1554	0.0413	8.1000e-004	0.0421		156.4227	156.4227	4.0900e-003	3.9200e-003	157.6925
Total	**0.0635**	**0.0402**	**0.6171**	**1.5500e-003**	**0.1546**	**8.8000e-004**	**0.1554**	**0.0413**	**8.1000e-004**	**0.0421**		**156.4227**	**156.4227**	**4.0900e-003**	**3.9200e-003**	**157.6925**

3.5 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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Fontana Square - San Bernardino-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 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1499	3.7659	1.3821	0.0161	0.5510	0.0448	0.5958	0.1587	0.0429	0.2015		1,720.5920	1,720.5920	0.0465	0.2546	1,797.6310
Worker	0.9314	0.5899	9.0505	0.0227	2.4591	0.0129	2.4720	0.6522	0.0119	0.6640		2,294.1994	2,294.1994	0.0600	0.0575	2,312.8239
Total	**1.0813**	**4.3558**	**10.4325**	**0.0388**	**3.0101**	**0.0577**	**3.0678**	**0.8108**	**0.0547**	**0.8655**		**4,014.7913**	**4,014.7913**	**0.1065**	**0.3121**	**4,110.4548**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

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

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1499	3.7659	1.3821	0.0161	0.5157	0.0448	0.5605	0.1500	0.0429	0.1929		1,720.5920	1,720.5920	0.0465	0.2546	1,797.6310
Worker	0.9314	0.5899	9.0505	0.0227	2.2667	0.0129	2.2796	0.6049	0.0119	0.6168		2,294.1994	2,294.1994	0.0600	0.0575	2,312.8239
Total	**1.0813**	**4.3558**	**10.4325**	**0.0388**	**2.7824**	**0.0577**	**2.8401**	**0.7549**	**0.0547**	**0.8097**		**4,014.7913**	**4,014.7913**	**0.1065**	**0.3121**	**4,110.4548**

3.5 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**

Fontana Square - San Bernardino-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 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1007	3.0165	1.2658	0.0154	0.5510	0.0227	0.5737	0.1587	0.0217	0.1803		1,650.4964	1,650.4964	0.0431	0.2437	1,724.2072
Worker	0.8597	0.5187	8.2741	0.0220	2.4591	0.0121	2.4712	0.6522	0.0112	0.6633		2,219.8248	2,219.8248	0.0537	0.0529	2,236.9174
Total	**0.9604**	**3.5352**	**9.5399**	**0.0374**	**3.0101**	**0.0348**	**3.0448**	**0.8108**	**0.0328**	**0.8437**		**3,870.3211**	**3,870.3211**	**0.0968**	**0.2966**	**3,961.1246**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive 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**

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

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1007	3.0165	1.2658	0.0154	0.5157	0.0227	0.5384	0.1500	0.0217	0.1717		1,650.4964	1,650.4964	0.0431	0.2437	1,724.2072
Worker	0.8597	0.5187	8.2741	0.0220	2.2667	0.0121	2.2788	0.6049	0.0112	0.6161		2,219.8248	2,219.8248	0.0537	0.0529	2,236.9174
Total	**0.9604**	**3.5352**	**9.5399**	**0.0374**	**2.7824**	**0.0348**	**2.8171**	**0.7549**	**0.0328**	**0.7878**		**3,870.3211**	**3,870.3211**	**0.0968**	**0.2966**	**3,961.1246**

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.3400					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4428**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Fontana Square - San Bernardino-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 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0635	0.0402	0.6171	1.5500e-003	0.1677	8.8000e-004	0.1685	0.0445	8.1000e-004	0.0453		156.4227	156.4227	4.0900e-003	3.9200e-003	157.6925
Total	**0.0635**	**0.0402**	**0.6171**	**1.5500e-003**	**0.1677**	**8.8000e-004**	**0.1685**	**0.0445**	**8.1000e-004**	**0.0453**		**156.4227**	**156.4227**	**4.0900e-003**	**3.9200e-003**	**157.6925**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.3400					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4428**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

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

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.0635	0.0402	0.6171	1.5500e-003	0.1546	8.8000e-004	0.1554	0.0413	8.1000e-004	0.0421		156.4227	156.4227	4.0900e-003	3.9200e-003	157.6925
Total	**0.0635**	**0.0402**	**0.6171**	**1.5500e-003**	**0.1546**	**8.8000e-004**	**0.1554**	**0.0413**	**8.1000e-004**	**0.0421**		**156.4227**	**156.4227**	**4.0900e-003**	**3.9200e-003**	**157.6925**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	27.9753					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	**28.1670**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

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

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.1719	0.1037	1.6548	4.3900e-003	0.4918	2.4200e-003	0.4942	0.1304	2.2300e-003	0.1327		443.9650	443.9650	0.0107	0.0106	447.3835
Total	**0.1719**	**0.1037**	**1.6548**	**4.3900e-003**	**0.4918**	**2.4200e-003**	**0.4942**	**0.1304**	**2.2300e-003**	**0.1327**		**443.9650**	**443.9650**	**0.0107**	**0.0106**	**447.3835**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	27.9753					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	**28.1670**	**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**

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	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	0.1719	0.1037	1.6548	4.3900e-003	0.4533	2.4200e-003	0.4558	0.1210	2.2300e-003	0.1232		443.9650	443.9650	0.0107	0.0106	447.3835
Total	**0.1719**	**0.1037**	**1.6548**	**4.3900e-003**	**0.4533**	**2.4200e-003**	**0.4558**	**0.1210**	**2.2300e-003**	**0.1232**		**443.9650**	**443.9650**	**0.0107**	**0.0106**	**447.3835**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Diversity

Implement Trip Reduction Program

Employee Vanpool/Shuttle

Provide Riade Sharing Program

Fontana Square - San Bernardino-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	13.5839	6.0491	72.3856	0.5500	11.3090	0.5050	11.8140	3.4585	0.4994	3.9579		11,775.6909	11,775.6909	1.3281	1.0327	12,116.6410
Unmitigated	13.7863	6.6398	81.4510	0.6729	13.8749	0.6141	14.4889	4.2432	0.6077	4.8509		14,257.4209	14,257.4209	1.4528	1.1841	14,646.6058

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Fast Food Restaurant with Drive Thru	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	4,924.00	4,924.00	4924.00	6,710,578	5,469,612
Hotel	0.00	0.00	0.00		
Hotel	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Quality Restaurant	0.00	0.00	0.00		
Total	4,924.00	4,924.00	4,924.00	6,710,578	5,469,612

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Fast Food Restaurant with Drive	16.60	8.40	6.90	2.20	78.80	19.00	29	21	50
High Turnover (Sit Down	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4

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

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Quality Restaurant	16.60	8.40	6.90	12.00	69.00	19.00	38	18	44

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071
Fast Food Restaurant with Drive Thru	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071
High Turnover (Sit Down Restaurant)	0.561910	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.000000	0.000000	0.000000	0.025303	0.000000	0.000000
Hotel	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071
Parking Lot	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071
Quality Restaurant	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

Install Energy Efficient Appliances

Fontana Square - San Bernardino-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	0.4886	4.4420	3.7312	0.0267		0.3376	0.3376		0.3376	0.3376		5,330.3456	5,330.3456	0.1022	0.0977	5,362.0211
NaturalGas Unmitigated	0.6068	5.5166	4.6340	0.0331		0.4193	0.4193		0.4193	0.4193		6,619.9241	6,619.9241	0.1269	0.1214	6,659.2630

Fontana Square - San Bernardino-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					
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
Fast Food Restaurant with Drive Thru	2902.15	0.0313	0.2845	0.2390	1.7100e-003		0.0216	0.0216		0.0216	0.0216		341.4292	341.4292	6.5400e-003	6.2600e-003	343.4582
High Turnover (Sit Down Restaurant)	3735.07	0.0403	0.3662	0.3076	2.2000e-003		0.0278	0.0278		0.0278	0.0278		439.4198	439.4198	8.4200e-003	8.0600e-003	442.0311
Hotel	14315.9	0.1544	1.4035	1.1790	8.4200e-003		0.1067	0.1067		0.1067	0.1067		1,684.2177	1,684.2177	0.0323	0.0309	1,694.2261
Hotel	9967.13	0.1075	0.9772	0.8208	5.8600e-003		0.0743	0.0743		0.0743	0.0743		1,172.6030	1,172.6030	0.0225	0.0215	1,179.5711
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
Quality Restaurant	25349.2	0.2734	2.4852	2.0876	0.0149		0.1889	0.1889		0.1889	0.1889		2,982.2545	2,982.2545	0.0572	0.0547	2,999.9765
Total		**0.6068**	**5.5166**	**4.6339**	**0.0331**		**0.4193**	**0.4193**		**0.4193**	**0.4193**		**6,619.9241**	**6,619.9241**	**0.1269**	**0.1214**	**6,659.2630**

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					
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
Fast Food Restaurant with Drive Thru	2.61571	0.0282	0.2564	0.2154	1.5400e-003		0.0195	0.0195		0.0195	0.0195		307.7302	307.7302	5.9000e-003	5.6400e-003	309.5589
High Turnover (Sit Down Restaurant)	3.36642	0.0363	0.3300	0.2772	1.9800e-003		0.0251	0.0251		0.0251	0.0251		396.0492	396.0492	7.5900e-003	7.2600e-003	398.4027
Hotel	6.76377	0.0729	0.6631	0.5570	3.9800e-003		0.0504	0.0504		0.0504	0.0504		795.7371	795.7371	0.0153	0.0146	800.4658
Hotel	9.71484	0.1048	0.9524	0.8001	5.7100e-003		0.0724	0.0724		0.0724	0.0724		1,142.9227	1,142.9227	0.0219	0.0210	1,149.7145
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
Quality Restaurant	22.8472	0.2464	2.2399	1.8815	0.0134		0.1702	0.1702		0.1702	0.1702		2,687.9064	2,687.9064	0.0515	0.0493	2,703.8793
Total		**0.4886**	**4.4420**	**3.7312**	**0.0267**		**0.3376**	**0.3376**		**0.3376**	**0.3376**		**5,330.3456**	**5,330.3456**	**0.1022**	**0.0977**	**5,362.0211**

6.0 Area Detail

6.1 Mitigation Measures Area

Fontana Square - San Bernardino-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	4.4006	4.6000e-004	0.0509	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1092	0.1092	2.9000e-004		0.1163
Unmitigated	4.4006	4.6000e-004	0.0509	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1092	0.1092	2.9000e-004		0.1163

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	0.5059					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.8900					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.7200e-003	4.6000e-004	0.0509	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1092	0.1092	2.9000e-004		0.1163
Total	**4.4006**	**4.6000e-004**	**0.0509**	**0.0000**		**1.8000e-004**	**1.8000e-004**		**1.8000e-004**	**1.8000e-004**		**0.1092**	**0.1092**	**2.9000e-004**		**0.1163**

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	0.5059					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.8900					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.7200e-003	4.6000e-004	0.0509	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1092	0.1092	2.9000e-004		0.1163
Total	**4.4006**	**4.6000e-004**	**0.0509**	**0.0000**		**1.8000e-004**	**1.8000e-004**		**1.8000e-004**	**1.8000e-004**		**0.1092**	**0.1092**	**2.9000e-004**		**0.1163**

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

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation