

APPENDIX A – AIR QUALITY AND GREENHOUSE GAS EMISSIONS

MEMORANDUM

To: Kari Cano, Project Manager

From: Ace Malisos, Air Quality and Noise Manager
Kimley-Horn and Associates, Inc.

Date: April 18, 2022

Subject: Courtplace at Fontana Project EA – Air Quality and Greenhouse Gas Emissions Analysis

1.0 PURPOSE

The purpose of this memorandum is to identify the air quality and greenhouse gas (GHG) emissions associated with construction and operations of the proposed Courtplace at Fontana Project (project), located in the City of Fontana, California. This analysis has been undertaken to analyze whether the proposed project would result in any significant environmental impacts as compared to the conclusions discussed in the certified Courtplace at Fontana Environmental Assessment (EA).

Project Location and Setting

The proposed project is in the City of Fontana (City) in the southwestern portion of San Bernardino County, California. The project site is on a (gross) 4.8-acre area composed of two parcels, located at 11196 Sierra Avenue, west of Sierra Avenue and north of Jurupa Avenue. The project site is located approximately 1.0-mile south of Interstate 10 (I-10), approximately 2.5-miles north of State Route 60 (SR-60), 6.0-miles east of Interstate 15 (I-15) and 7.5-miles west of I-215.

The project site is currently undeveloped and is a vacant stormwater detention basin scattered with natural grasses. However, the project site is disturbed completely, and no native habitat exists onsite. The site is surrounded by vacant land to the north, residential land uses to the south and west, and Sierra Avenue and commercial uses to the east.

2.0 PROPOSED PROJECT

Previous Project

The proposed project would modify the two existing parcels via a Lot Line Adjustment (LLA) to allow for a two phased affordable housing project. The project proposes multi-level residential affordable apartment buildings with associated green space, pool, community gathering areas, vehicle parking, landscaping, and security fencing on the approximately 4.8-acres of land. This affordable housing project proposes a total of 155 residential units organized in three court-style buildings. Phase I will include 90-units within one three-story building “Building A” fronting Sierra Avenue, the main access road. Phase II will include 65-units within one four-story building “Building B” to the west.

Construction for Phase I of the proposed project is anticipated to begin in the second half of 2022 and last approximately one and a half year. Construction for Phase II is anticipated to begin in the second half of 2023 and would also last approximately one and a half year. Construction of the proposed

project would entail site preparation, grading, building construction, paving, and architectural coating. Site preparation and grading would occur first.

Vehicular and pedestrian site access is provided via two driveways on Sierra Avenue; Driveway 1 is an exit-only driveway including a vehicular gate, located at the northeast corner of the site. Driveway 2 is a full movement driveway located on the southeast corner of the site. The Project site includes a wrap-around access road to be designed according to the City of Fontana standards.

Phase I (Building A)

Phase I will include filling in the basin at grade and subsequently the construction of building “A”. Building “A” includes a leasing/management office and community building with a pool area, as well as the various residential units. Phase I will have an approximate mix of 11 percent 1 bedroom/1 bath, 63 bedroom 2 bedroom/1 bath, and 26 percent 3 bedroom/2 bath units.

Phase II (Building B)

Phase II (Building “B”) would be organized around a community courtyard and has an approximate mix of 9 percent 1 bedroom/1 bath, 65 percent 2 bedroom/1 bath and 26 percent 3 bedroom/2 bath units. All buildings would be elevator served and have a combination of covered parking at grade and open parking along the perimeter. A breakdown of the proposed project is provided below in Table 1, Project Residential Units Breakdown.

Table 1: Project Residential Units Breakdown

Phase I (Building A)								
Unit Type	Unit Area (SF)	Story/Level				Units	Total Unit Area (SF)	Unit Mix
		L1	L2	L3	L4			
A1 (1BR/1BA Unit)	624	2	4	4	-	10	6,240	11%
B1 (2BR/1BA Unit)	913	9	24	24	-	57	52,041	63%
C1 (3BR/2BA Unit)	1,110	5	9	9	-	23	25,530	26%
Phase I Total		16	37	37		90	83,811	100%
Phase II (Building B)								
Unit Type	Unit Area (SF)	Story/Level				Units	Total Unit Area (SF)	Unit Mix
		L1	L2	L3	L4			
A1 (1BR/1BA Unit)	624	0	2	2	2	6	3,744	9%
B1 (2BR/1BA Unit)	913	3	13	13	13	42	38,346	65%
C1 (3BR/2BA Unit)	1,110	2	5	5	5	17	18,870	26%
Phase II Total		5	20	20	20	65	60,960	100%
Phase I & II Grand Total		21	57	57	20	155	144,771	-
Source: Design and Architecture. March 31st, 2021. BR = bedroom, BA = bathroom, SF = square feet								

Current Project

The proposed project would consist of the same site as previously analyzed. Changes would only take place in the residential units included in Building A and Building B. These changes are outlined in [Table 2: Project Residential Units Breakdown Update](#). Overall, the number of total units would be less than the previous project.

Table 2: Project Residential Units Breakdown Update

Phase I (Building A)								
Unit Type	Unit Area (SF)	Story/Level				Units	Total Unit Area (SF)	Unit Mix
		L1	L2	L3	L4			
A2 (1BR/1BA Unit)	600	1	3	3	-	7	4,200	9%
B2 (2BR/1BA Unit)	885	10	10	10	-	30	26,550	59%
C1 (3BR/2BA Unit)	1,085	1	2	2	-	5	5,425	12%
C2 (3BR/2BA Unit)	1,110	2	3	3		8	8,880	20%
Phase I Total		14	18	18		50	45,055	100%
Phase II (Building B)								
Unit Type	Unit Area (SF)	Story/Level				Units	Total Unit Area (SF)	Unit Mix
		L1	L2	L3	L4			
A1 (1BR/1BA Unit)	624	1	2	2	2	7	4,368	8%
B1 (2BR/1BA Unit)	913	4	8	8	8	28	25,564	49%
B2 (2BR/1BA Unit)	885	1	2	2	2	7	6,195	12%
C1 (3BR/2BA Unit)	1,110	2	4	4	4	14	15,540	30%
Phase II Total		8	16	16	16	56	51,667	100%
Phase I & II Grand Total		22	34	34	16	106	96,722	-
Source: Design and Architecture. March 31st, 2021. BR = bedroom, BA = bathroom, SF = square feet								

3.0 PROJECT SPECIFIC ANALYSIS

3.1 Air Quality

Construction Emissions

Construction for the previous project and current project would involve a smaller building footprint and nearly the same exterior building architecture. The project is anticipated to have the same earthwork volumes, construction phasing and equipment use as the previously modeled project. The project would be constructed over approximately 28 months and site grading would require approximately 121,000 cubic yards of soil import which is similar to the previous project. The project would be required to implement South Coast Air Management District (SCAQMD) standard dust control rules. All criteria pollutants would remain below their respective thresholds.

Operational Emissions

The operational emissions from the previous project are shown in [Table 3: Operational Emissions](#). The emissions are below SCAQMD thresholds. The proposed project has fewer dwelling units and smaller building footprint which would result in lower area, energy, and mobile emissions.

Table 3: Operational Emissions (lbs/day)

Source	Pollutant (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})
Area Source Emissions	3.76	0.15	12.79	0.00	0.07	0.07
Energy Emissions	0.05	0.40	0.17	0.00	0.03	0.03
Mobile Emissions	2.62	7.73	26.89	0.09	8.32	2.27
Total Emissions	6.43	8.28	39.85	0.09	8.42	2.37
<i>SCAQMD Threshold</i>	<i>55</i>	<i>55</i>	<i>550</i>	<i>150</i>	<i>150</i>	<i>55</i>
Exceeds Threshold?	No	No	No	No	No	No

Source: Kimley-Horn, *Sierra Southridge Family Apartments Air Quality Assessment*, March 2021.

The previous project would generate 1,135 daily trips. The current project would have less residential units and therefore fewer people would live on the project site. This would result in fewer daily trips. As shown in **Table 3**, the net increase in emissions generated by vehicle traffic associated with the previous project would not exceed established SCAQMD regional thresholds.

Area source emissions would be generated due to consumer products, architectural coating, and landscaping that were previously not present on the site. Energy source emissions would be generated due to the project’s electricity and natural gas usage. The project’s primary uses of electricity and natural gas would be for space heating and cooling, water heating, ventilation, lighting, appliances, and electronics. As shown in **Table 3**, area source and energy source emissions from the project would not exceed SCAQMD thresholds for ROG, NO_x, PM₁₀, or PM_{2.5}. With the smaller building footprint and number of residential units decreasing, there would be lower area source emissions.

Conclusion

The project would involve a smaller building footprint and nearly the same exterior building architecture as the previous version of the project. The construction is anticipated to be similar earthwork volumes, construction phasing and equipment use. Therefore, construction emissions are assumed to be similar. The proposed project would not result in new impacts relative to cumulative air quality emissions or a substantial increase in the severity of a previously identified significant impact. As shown in **Table 3**, the previous project did not exceed SCAQMD’s threshold. The proposed project would have lower emissions as daily trips, energy use, and area source emissions would decrease. Therefore, no new or more significant operational air quality impacts than those analyzed in the Courtplace at Fontana Project EA would occur, and no new or additional mitigation is required.

3.2 Greenhouse Gas Emissions

Construction Emissions

Construction for the previous project and the current project would involve the same building footprint and nearly the same exterior building architecture. The construction for the project is anticipated to have the same earthwork volumes, construction phasing, and equipment use as the previous project. The previous project would result in 59 MTCO₂eq/year (amortized over 30 years), which represents a total of approximately 1,782 MTCO₂eq from construction activities.

Operational Emissions

The previous and the current version of the project would generate GHG emissions from direct and indirect sources. Direct emissions include construction, area source, and mobile emissions while indirect are energy consumption, solid waste, and water demand. As shown in Table 4: Operational Greenhouse Gas Emissions, the previous project would generate approximately 1,845 MTCO₂e annually from both construction and operations of the project. Project-related GHG emissions would not exceed the 3,000 MTCO₂e per year threshold. The proposed project would be smaller than the previous project with less units being developed and fewer resulting trips. Additionally, a smaller building footprint would result in less waste, water, and wastewater use. Therefore, the current project operational emissions would be less than the previous project.

Table 4: Operational Greenhouse Gas Emissions

Emissions Source	MTCO ₂ e per Year
Construction Amortized Over 30 Years	59
Area Source	3
Energy	242
Mobile	1,467
Waste	20
Water and Wastewater	54
Total	1,845
<i>City of Fontana Project Threshold</i>	<i>3,000</i>
Exceeds Threshold?	No
Source: Kimley-Horn, <i>Sierra Southridge Family Apartments Greenhouse Gas Emissions Assessment</i> , March 2021.	

Conclusion

As proposed, the previous and proposed project include construction of two residential buildings. There would be no demolition. Both options would involve the same building footprint and nearly the same exterior building architecture. Direct project-related GHG emissions include emissions from construction activities, area sources, and mobile sources, while indirect sources include emissions from electricity consumption, water demand, and solid waste generation. Therefore, no new or more

significant impacts than those analyzed in the Courtplace at Fontana Project EA would occur, and no new or additional mitigation is required.

4.0 CONCLUSION

The proposed project would involve a smaller building footprint and nearly the same exterior building architecture as the previous version of the project. Less units would be developed for the proposed project. Therefore, the current project is less intense, and the previous analyses are conservative and still valid. There would be no new or more significant impacts for air quality, GHG, or noise than those previously analyzed in Courtplace at Fontana Project EA.

Air Quality Assessment
Sierra Southridge Family Apartments
City of Fontana, California



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Appendix A: Air Quality Modeling Data

LIST OF ABBREVIATED TERMS

AQMP	Air quality management plan
AB	Assembly Bill
ADT	Average daily traffic
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CAAQS	California Ambient Air Quality Standards
CCAA	California Clean Air Act
CalEEMod	California Emissions Estimator Model
CEQA	California Environmental Quality Act
CO	Carbon monoxide
cy	Cubic yards
DPM	Diesel particulate matter
EPA	Environmental Protection Agency
FCAA	Federal Clean Air Act
H ₂ S	Hydrogen sulfide
Pb	Lead
LST	Local significance threshold
µg/m ³	Micrograms per cubic meter
mg/m ³	Milligrams per cubic meter
NAAQS	National Ambient Air Quality Standards
NO ₂	Nitrogen dioxide
NO _x	Nitrogen oxide
O ₃	Ozone
PM ₁₀	Particulate matter less than 10 microns in diameter
PM _{2.5}	Particulate matter less than 2.5 microns in diameter
ppm	Parts per million
ROG	Reactive organic gases
RTP/SCS	Regional Transportation Plan/Sustainable Communities Strategy
SB	Senate Bill
SRA	Source receptor area
SCAB	South Coast Air Basin
SCAQMD	South Coast Air Quality Management District
SCAG	Southern California Association of Governments
sf	Square foot
SO ₄₋₂	Sulfates
SO ₂	Sulfur dioxide
TAC	Toxic air contaminant
C ₂ H ₃ Cl	Vinyl chloride
VOC	Volatile organic compound

1 INTRODUCTION

This report documents the results of an Air Quality Assessment completed for the Sierra Southridge Family Apartments 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 proposed Project site is located at 11196 Sierra Avenue, west of Sierra Avenue, and north of Jurupa Avenue in the south-central portion of the City of Fontana, within San Bernardino County (County). The site is located approximately 1.0-mile south of Interstate 10 (I-10), approximately 2.5-miles north of State Route 60 (SR-60), 6.0-miles east of Interstate 15 (I-15) and 7.5-miles west of State Route 215 (SR-215). The Project site is depicted on the border of the Fontana U.S. Geological Survey’s (USGS) 7.5-minute topographic map in the northern portion of Section 30, Township 1 South, Range 5 West. The Project site is bounded by vacant land to the north, residential to the south, single-family residential units to the west, and commercial to the east; refer to [Exhibit 1: Regional Map](#).

The Project site is disturbed entirely and located on a vacant rectangular-shaped stormwater detention basin site on approximately 4.8 acres or 208,878 square feet (SF) composed of two parcels (Assessor’s Parcel Numbers [APNs]: 0255-101-22 and 0255-101-23). No native habitat exists onsite. The detention basin is periodically disced with scattered natural grasses. As noted above, the site is surrounded by vacant land to the north, residential to the south and west, and commercial to the east. The soils on site are mapped as Delhi fine sand soils; refer to [Exhibit 2: Project Vicinity](#).

1.2 PROJECT DESCRIPTION

The proposed Project would consolidate the two existing parcels into one via a Lot Line Adjustment (LLA). The Project proposes three multi-family and multi-level residential affordable apartment complex with associated green space, pool, community gathering areas, vehicle parking, landscaping, and security fencing on the approximately 4.8-acres of land. Project construction will occur in two phases.

This affordable housing Project proposes a total of 155 residential units organized in three Court-style buildings; refer to [Exhibit 3: Conceptual Site Plan](#). Phase I will include 90-units among the three-story buildings “A” and “B” fronting the main access road of Sierra Avenue. Phase II will be a four-story, 65-unit building “C” to the west.

Phase I (Buildings A and B)

Phase I will include filling in the basin at grade and subsequently the construction of buildings “A” and “B”. Building “A” will include a mixture of residential unit types, as noted below. Building “B” includes a leasing/management office and community building with a pool area, as well as the various residential units. Phase I will have an approximate mix of 11% 1 Bedroom/1 Bath, 63% 2 Bedroom/1 Bath and 26% 3 Bedroom/2 Bath units. The maximum building height is approximately 35’ feet high.

Phase II (Building C)

Phase II (Building “C”) will be organized around a community courtyard and has an approximate mix of 9% 1 Bedroom/1 Bath, 65% 2 Bedroom/1 Bath and 26% 3 Bedroom/2 Bath units. The maximum building height is approximately 45’ feet high.

Land Use and Zoning

The City’s General Plan Update 2015 – 2035 (General Plan) Land Use Map was updated and adopted on November 13, 2018.¹ Furthermore, the City’s Zoning Map was updated on September 10, 2019.² The proposed Project is designated under the General Plan Land Use Map as Walkable Mixed-Use Corridor and Downtown (WMXU-1) with a zoning district of Form-Based Code (FBC).

Landscaping

The landscape area would cover approximately 15 percent of the Project site, a total of 39,965 square feet. Additionally, the Project will provide 79 trees.

Site Access and Parking

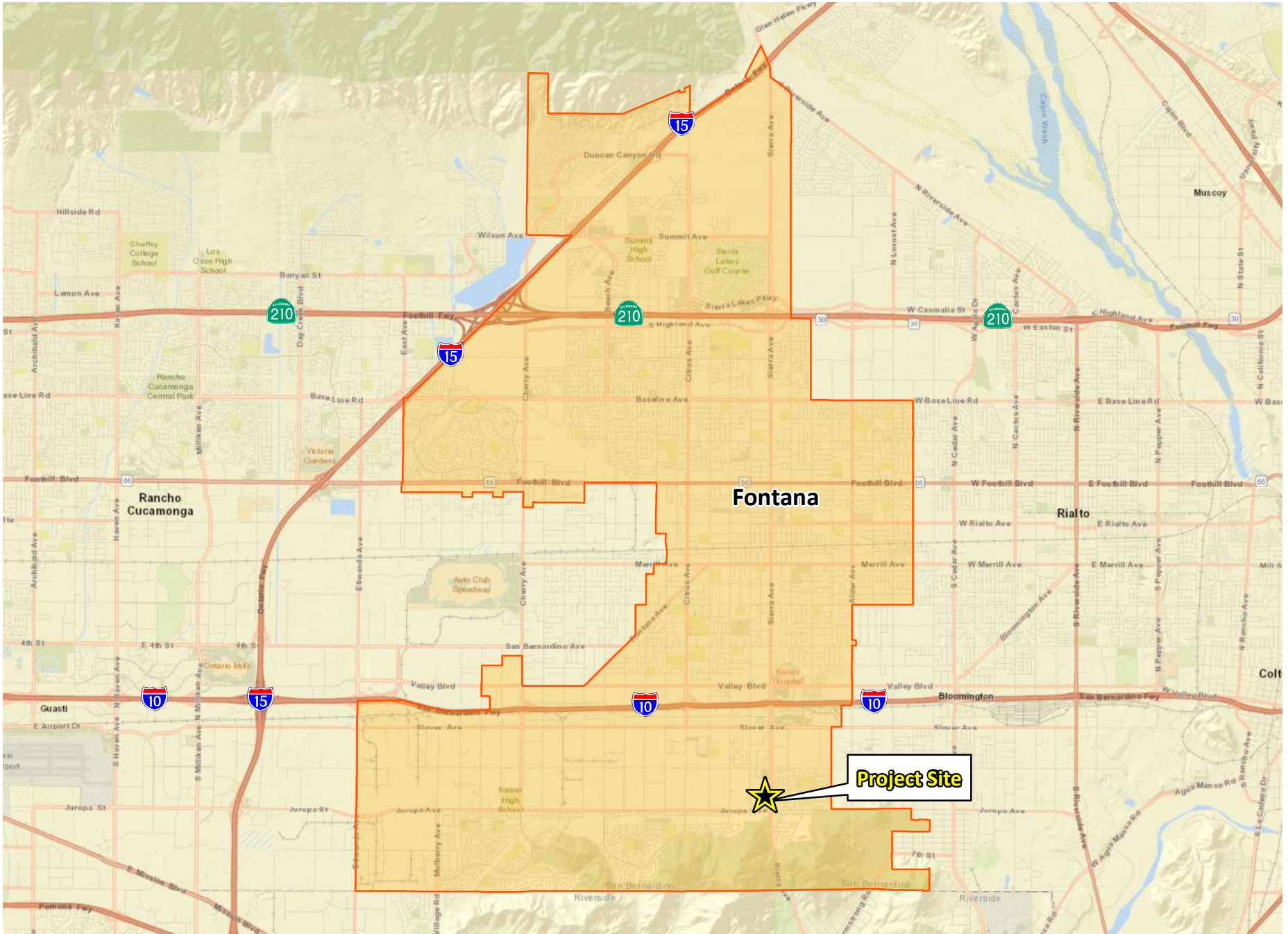
Vehicular and pedestrian site access is provided via two driveways on Sierra Avenue; Driveway 1 is an exit-only driveway including a vehicular gate, located at the northeast corner of the site. Driveway 2 is a full movement driveway located on the southeast corner of the site. The Project site includes a wrap-around access road to be designed according to the City of Fontana standards. The site will include 225 parking spaces as required to accommodate residents and visitors; refer to [Exhibit 3](#).

Project Phasing and Construction

The Project is anticipated to be developed in two overlapping phases. Should the Project be approved, Phase 1 construction is anticipated to begin December 2022 and conclude March 2024, Phase 2 construction is anticipated to begin December 2023 and conclude March 2025. Project construction would occur over a duration of approximately 28 months.

¹ City of Fontana. (2018). *General Plan Land Use Map*. Available at <https://www.fontana.org/DocumentCenter/View/26777/Land-Use-Map---Exhibit-158>. Accessed on July 15, 2020.

² City of Fontana. (2019). *Zoning District Map*. Available at <https://www.fontana.org/DocumentCenter/View/30623/Zoning-District-Map>. Accessed on July 15, 2020.

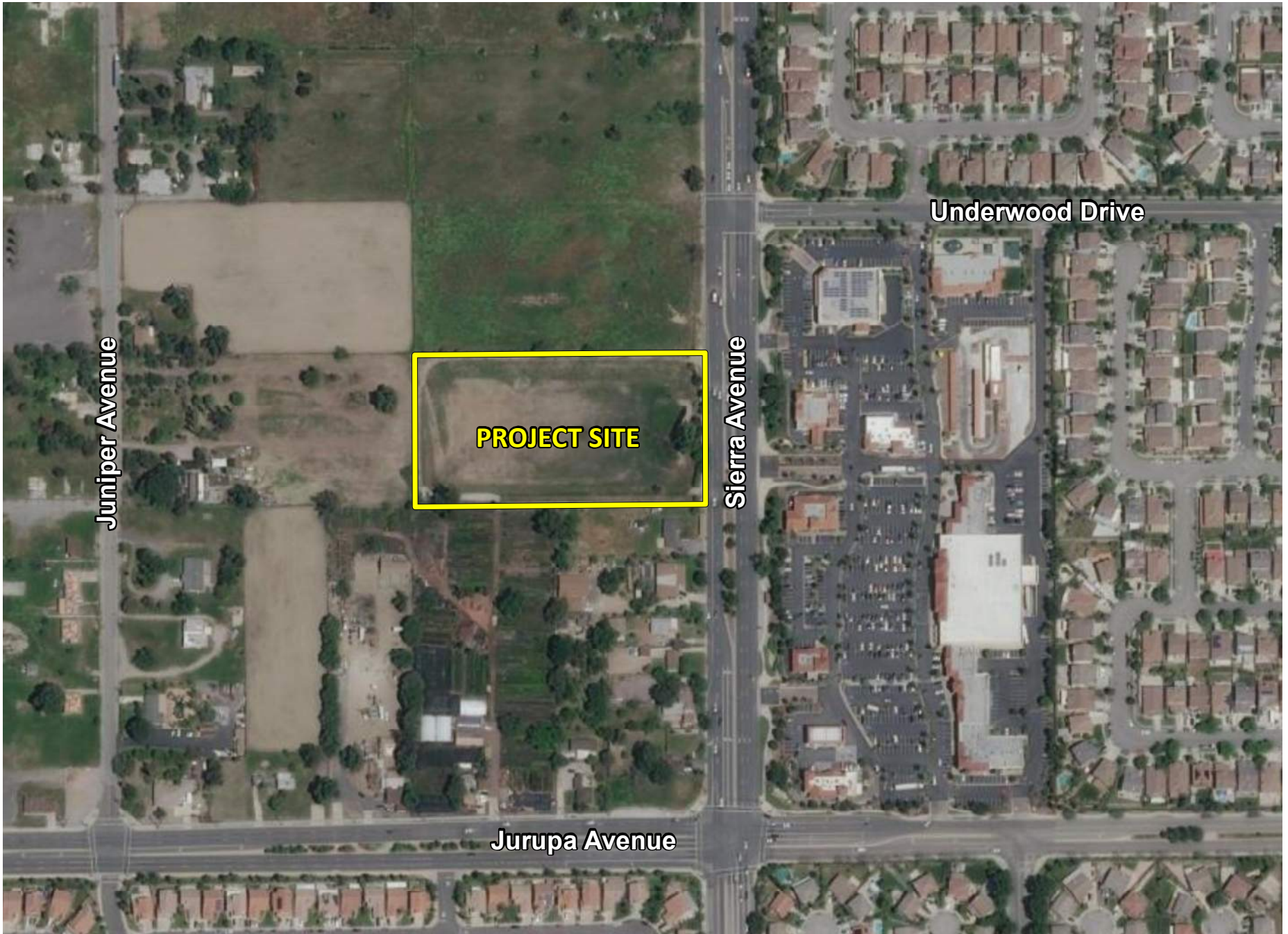


Source: ESRI World Street Map

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EXHIBIT 1: Regional Location
Sierra Southridge Family Apartments Project



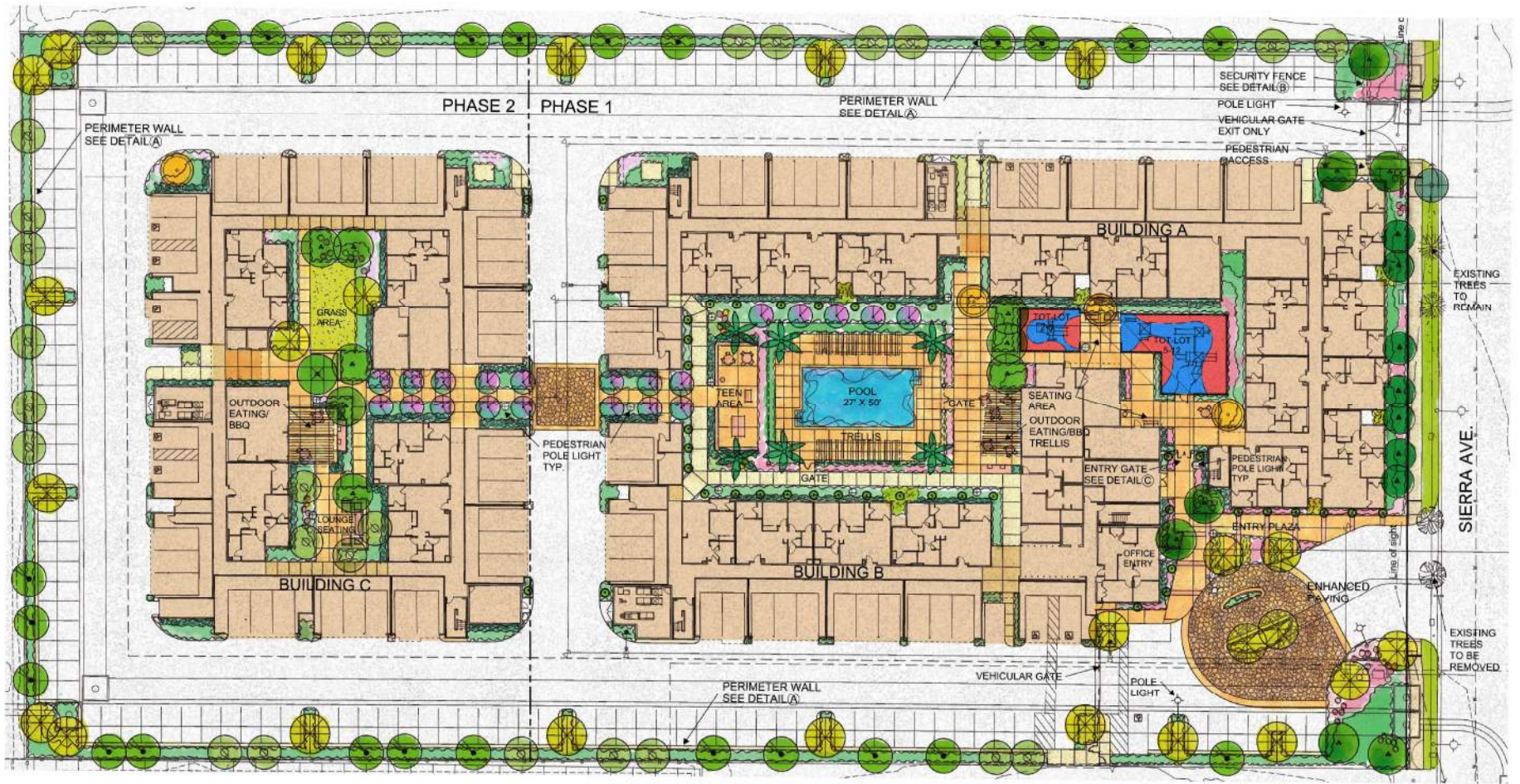


Source: ESRI World Imagery

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EXHIBIT 2: Local Vicinity
Sierra Southridge Family Apartments Project





Source: Design and Architecture, Conceptual Landscape Plan 11-5-2020

EXHIBIT 3: Conceptual Site Plan
Sierra Southridge Family Apartments Project

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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 perimeter³. 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

³ South Coast Air Quality Management District, *CEQA Air Quality Handbook*, 1993.

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

2.2 AIR POLLUTANTS OF CONCERN

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

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

Pollutant	Major Man-Made Sources	Human Health Effects
Particulate Matter (PM ₁₀ and PM _{2.5})	Power plants, steel mills, chemical plants, unpaved roads and parking lots, wood-burning stoves and fireplaces, automobiles and others.	Increased respiratory symptoms, such as irritation of the airways, coughing, or difficulty breathing; asthma; chronic bronchitis; irregular heartbeat; nonfatal heart attacks; and premature death in people with heart or lung disease. Impairs visibility.
Ozone (O ₃)	Formed by a chemical reaction between reactive organic gases/volatile organic compounds (ROG or VOC) ¹ and nitrogen oxides (NO _x) in the presence of sunlight. Motor vehicle exhaust industrial emissions, gasoline storage and transport, solvents, paints and landfills.	Irritates and causes inflammation of the mucous membranes and lung airways; causes wheezing, coughing, and pain when inhaling deeply; decreases lung capacity; aggravates lung and heart problems. Damages plants; reduces crop yield.
Sulfur Dioxide (SO ₂)	A colorless gas formed when fuel containing sulfur is burned and when gasoline is extracted from oil. Examples are petroleum refineries, cement manufacturing, metal processing facilities, locomotives, and ships.	Respiratory irritant. Aggravates lung and heart problems. In the presence of moisture and oxygen, sulfur dioxide converts to sulfuric acid which can damage marble, iron and steel. Damages crops and natural vegetation. Impairs visibility. Precursor to acid rain.
Carbon Monoxide (CO)	An odorless, colorless gas formed when carbon in fuel is not burned completely; a component of motor vehicle exhaust.	Reduces the ability of blood to deliver oxygen to vital tissues, affecting the cardiovascular and nervous system. Impairs vision, causes dizziness, and can lead to unconsciousness or death.
Nitrogen Dioxide (NO ₂)	A reddish-brown gas formed during fuel combustion for motor vehicles and industrial sources. Sources include motor vehicles, electric utilities, and other sources that burn fuel.	Respiratory irritant; aggravates lung and heart problems. Precursor to O ₃ . Contributes to global warming and nutrient overloading which deteriorates water quality. Causes brown discoloration of the atmosphere.
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), <i>Health Effects</i> , http://www.capcoa.org/health-effects/ , accessed March 15, 2021.		

Toxic Air Contaminants

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

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

Ambient Air Quality

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

Pollutants of concern in the SCAB include O₃, PM₁₀, and PM_{2.5}. The closest air monitoring station to the Project that monitors ambient concentrations of these pollutants is the Fontana-Arrow Monitoring Station (located approximately 4.5 miles to the northwest). Local air quality data from 2017 to 2019 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	2017	2018	2019
Ozone (O₃)¹			
1-hour Maximum Concentration (ppm)	0.137	0.141	0.124
8-hour Maximum Concentration (ppm)	0.118	0.111	0.109
<i>Number of Days Standard Exceeded</i>			
CAAQS 1-hour (>0.09 ppm)	33	38	41
NAAQS 8-hour (>0.070 ppm)	49	69	67
Carbon Monoxide (CO)¹			
1-hour Maximum Concentration (ppm)	1.6502	1.9159	2.7488
<i>Number of Days Standard Exceeded</i>			
NAAQS 1-hour (>35 ppm)	0	0	0
CAAQS 1-hour (>20 ppm)	0	0	0
Nitrogen Dioxide (NO₂)¹			

Table 2: Ambient Air Quality Data			
Criteria Pollutant	2017	2018	2019
1-hour Maximum Concentration (ppm)	0.0692	0.063	0.0761
<i>Number of Days Standard Exceeded</i>			
NAAQS 1-hour (>0.100 ppm)	0	0	0
CAAQS 1-hour (>0.18 ppm)	0	0	0
Particulate Matter Less Than 10 Microns (PM₁₀)¹			
National 24-hour Maximum Concentration	75.3	64.1	88.8
State 24-hour Maximum Concentration	75.3	61.5	85.1
State Annual Average Concentration (CAAQS=20 µg/m ³)	—	—	—
<i>Number of Days Standard Exceeded</i>			
NAAQS 24-hour (>150 µg/m ³)	0	0	0
CAAQS 24-hour (>50 µg/m ³)	8	8	11
Particulate Matter Less Than 2.5 Microns (PM_{2.5})¹			
National 24-hour Maximum Concentration	39.2	29.2	81.3
State 24-hour Maximum Concentration	39.2	29.2	81.3
<i>Number of Days Standard Exceeded</i>			
NAAQS 24-hour (>35 µg/m ³)	1	0	3
Notes: NAAQS = National Ambient Air Quality Standards; CAAQS = California Ambient Air Quality Standards; ppm = parts per million; µg/m ³ = micrograms per cubic meter; — = not measured ¹ Measurements taken at the 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/aqmis2/aqdselect.php).			

2.3 SENSITIVE RECEPTORS

Sensitive populations are more susceptible to the effects of air pollution than is the general population. Sensitive receptors that are in proximity to localized sources of toxics are of particular concern. Land uses considered sensitive receptors include residences, schools, playgrounds, childcare centers, long-term health care facilities, rehabilitation centers, convalescent centers, and retirement homes. Sensitive land uses surrounding the Project consist mostly of single-family residential communities. Sensitive land uses nearest to the Project are shown in Table 3: Sensitive Receptors.

Table 3: Sensitive Receptors	
Receptor Description	Distance and Direction from the Project
Single-Family Residence	45 feet to the south
Single-Family Residences	400 feet to the west
Single-Family Residences	425 feet to the northeast
Single-Family Residences	500 feet to the northwest
Single-Family Residences	675 feet to the north
Source: Google Earth, 2021.	

3 REGULATORY SETTING

3.1 FEDERAL

Federal Clean Air Act

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

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

3.2 STATE OF CALIFORNIA

California Air Resources Board

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

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

Pollutant	Averaging Time	State Standards ¹	Federal Standards ²
Ozone (O ₃) ^{2, 5, 7}	8 Hour	0.070 ppm (137 µg/m ³)	0.070 ppm
	1 Hour	0.09 ppm (180 µg/m ³)	NA
Carbon Monoxide (CO)	8 Hour	9.0 ppm (10 mg/m ³)	9 ppm (10 mg/m ³)
	1 Hour	20 ppm (23 mg/m ³)	35 ppm (40 mg/m ³)
Nitrogen Dioxide (NO ₂)	1 Hour	0.18 ppm (339 µg/m ³)	0.10 ppm ¹¹
	Annual Arithmetic Mean	0.030 ppm (57 µg/m ³)	0.053 ppm (100 µg/m ³)
Sulfur Dioxide (SO ₂) ⁸	24 Hour	0.04 ppm (105 µg/m ³)	0.14 ppm (365 µg/m ³)
	1 Hour	0.25 ppm (655 µg/m ³)	0.075 ppm (196 µg/m ³)
	Annual Arithmetic Mean	NA	0.03 ppm (80 µg/m ³)
Particulate Matter (PM ₁₀) ^{1, 3, 6}	24-Hour	50 µg/m ³	150 µg/m ³
	Annual Arithmetic Mean	20 µg/m ³	NA
Fine Particulate Matter (PM _{2.5}) ^{3, 4, 6, 9}	24-Hour	NA	35 µg/m ³
	Annual Arithmetic Mean	12 µg/m ³	12 µg/m ³
Sulfates (SO ₄₋₂)	24 Hour	25 µg/m ³	NA
Lead (Pb) ^{10, 11}	30-Day Average	1.5 µg/m ³	NA
	Calendar Quarter	NA	1.5 µg/m ³
	Rolling 3-Month Average	NA	0.15 µg/m ³
Hydrogen Sulfide (H ₂ S)	1 Hour	0.03 ppm (42 µg/m ³)	NA
Vinyl Chloride (C ₂ H ₃ Cl) ¹⁰	24 Hour	0.01 ppm (26 µg/m ³)	NA

Notes:

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

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

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

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

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

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

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

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

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

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

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

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

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

3.3 REGIONAL

South Coast Air Quality Management District

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

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

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

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

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

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

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

Source: South Coast Air Quality Management District, *Air Quality Management Plan*, 2016; United States Environmental Protection Agency, *Nonattainment Areas for Criteria Pollutants (Green Book)*, 2020.

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

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

- a) Portions of a construction site to remain inactive longer than a period of three months will be seeded and watered until grass cover is grown or otherwise stabilized.
 - b) All on-site roads will be paved as soon as feasible or watered periodically or chemically stabilized.
 - c) All material transported off-site will be either sufficiently watered or securely covered to prevent excessive amounts of dust.
 - d) The area disturbed by clearing, grading, earthmoving, or excavation operations will be minimized at all times.
 - e) Where vehicles leave a construction site and enter adjacent public streets, the streets will be swept daily or washed down at the end of the workday to remove soil tracked onto the paved surface.
- **Rule 431.2 (Sulfur Content of Liquid Fuels)** – This rule limits the sulfur content in diesel and other liquid fuels for the purpose of both reducing the formation of sulfur oxides and particulates during combustion and to enable the use of add-on control devices for diesel fueled internal combustion engines.
 - **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

City of Fontana Code of Ordinances, Chapter 9 Sec. 9-62, determines all operations within the city shall be conducted in compliance with all the requirements of the SCAQMD (Code 1968, § 33-172). The City's General Plan Chapter 6, Building a Healthier Fontana, 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 rates.

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 6: South Coast Air Quality Management District Emissions Thresholds](#).

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

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

Localized Carbon Monoxide

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

Localized Significance Thresholds

In addition to the CO hotspot analysis, the SCAQMD developed LSTs for emissions of NO₂, CO, PM₁₀, and PM_{2.5} generated at new development sites (off-site mobile source emissions are not included in the LST analysis). LSTs represent the maximum emissions that can be generated at a project without expecting to

cause or substantially contribute to an exceedance of the most stringent state or federal ambient air quality standards. LSTs are based on the ambient concentrations of that pollutant within the Project source receptor area (SRA), as demarcated by the SCAQMD, and the distance to the nearest sensitive receptor. LST analysis for construction is applicable for all projects that disturb 5 acres or less on a single day. The Project site is located within SCAQMD SRA 34. Table 7: Local Significance Thresholds for Construction/Operations, shows the LSTs for a 1-acre, 2-acre, and 5-acre project in SRA 34 within 25 meters of the Project. The nearest sensitive receptors are residences located approximately 45 feet (14 meters) to the south. Therefore, the lowest threshold distance of 25 meters was used for analysis based on the SCAQMD LST methodology guidance. LSTs associated with all acreage categories are provided in Table 7 for informational purposes. Table 7 shows that the LSTs increase as acreages increase. It should be noted that LSTs are screening thresholds and are therefore conservative. The construction LST acreage is determined based on daily acreage disturbed. The operational LST acreage is based on the total area of the Project site. Although the Project site is 4.8 acres, the 5-acre operational LSTs are used to evaluate the Project.

Project Size	Nitrogen Oxide (NO _x)	Carbon Monoxide (CO)	Coarse Particulates (PM ₁₀)	Fine Particulates (PM _{2.5})
1 Acre	118/118	657/657	4/1	3/1
2 Acres	170/170	957/957	7/2	4/1
5 Acres	270/270	1,720/1,720	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 Focused Traffic Impact Analysis prepared by TJW Engineering (December 2020). 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, CARB, SCAG, and 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. The SCAQMD developed its CEQA significance thresholds to determine if individual development projects would result in ambient air quality violations. As shown in [Table 8](#) and [Table 9](#) below, the Project would not exceed the SCAQMD's construction or operational thresholds. Therefore, the Project would not contribute to an existing air quality violation. 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 does not require a General Plan Amendment (GPA) or a Zone Change because the land use designation is Walkable Mixed-Use Corridor and Downtown and the zoning is Transitional/Form Based Code. Therefore, the Project would not result in a direct increase in population beyond what was anticipated in SCAG's growth projections used by SCAQMD to develop the AQMP. Thus, a less than significant impact would occur no impact would occur, as the Project is also consistent with the second criterion.

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

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

The duration of construction activities associated with the Project is estimated to last approximately 28 months. Phase 1 construction is anticipated to start in December 2022 and completed in March 2024. Phase 2 construction is anticipated to begin in December 2023 and end in March 2025. 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 8: 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 PM₁₀ and PM_{2.5} concentrations.

Construction Year	Pollutant (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	3.26	60.12	22.27	0.18	72.30	19.23
2023	5.13	45.15	41.59	0.17	11.19	6.29
2024	35.99	33.67	37.47	0.08	6.06	3.15
2025	34.19	15.58	21.70	0.05	2.52	1.04
<i>SCAQMD Threshold</i>	<i>75</i>	<i>100</i>	<i>550</i>	<i>150</i>	<i>150</i>	<i>55</i>
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; 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 2016.3.2. Refer to [Appendix A](#) for model outputs.

As shown in [Table 8](#), 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 and 403, described in the Regulatory Framework subsection above and SC AQ-1. The proposed Project construction emissions would not worsen ambient air quality, create additional violations of federal and State standards, or delay SCAB's goal for meeting attainment standards.

Operational Emissions

The Project's operational emissions would be associated with area sources, energy sources, and mobile sources. CalEEMod was used to calculate the Project's area source, energy source, and mobile source pollutant emissions. Long-term operational emissions attributable to the Project are summarized in [Table 9: Long-Term Operational Emissions](#). Each of these sources are described below.

Source	Pollutant (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})
Area Source Emissions	3.76	0.15	12.79	0.00	0.07	0.07
Energy Emissions	0.05	0.40	0.17	0.00	0.03	0.03
Mobile Emissions	2.62	7.73	26.89	0.09	8.32	2.27
Total Emissions	6.43	8.28	39.85	0.09	8.42	2.37
<i>SCAQMD Threshold</i>	<i>55</i>	<i>55</i>	<i>550</i>	<i>150</i>	<i>150</i>	<i>55</i>
Exceeds Threshold?	No	No	No	No	No	No

Source: CalEEMod version 2016.3.2. Refer to [Appendix A](#) for model outputs.

- **Area Source Emissions.** Area-specific CalEEMod default inputs were used to calculate the Project's area source emissions. Area source emissions would be generated from gasoline-powered landscaping and maintenance equipment, and consumer products (such as household cleaners). Area source emissions would also be generated from consumer products, architectural

coatings, and landscaping that were previously not present on the Project site. Typically, area sources are small sources that contribute very little emissions individually, but when combined may generate substantial amounts of pollutants.

- **Energy Source Emissions.** CalEEMod default inputs were used to calculate the Project's energy source emissions. Energy source emissions would be generated due to electricity and natural gas usage associated with heating and cooling, water heating, ventilation, lighting, appliances, and electronics. Additional energy demands associated with the proposed swimming pool were also included.
- **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, PM₁₀, and PM_{2.5} are all pollutants of regional concern. NO_x and ROG react with sunlight to form O₃, known as photochemical smog. Additionally, wind currents readily transport PM₁₀ and PM_{2.5}. However, CO tends to be a localized pollutant, dispersing rapidly at the source. Project-generated vehicle emissions are based on the trip generation within the Project Traffic Study and incorporated into CalEEMod as recommended by the SCAQMD. Based on these rates, the Project would generate 1,135 daily trips⁴.

As shown in [Table 9](#), Project emissions would not exceed SCAQMD thresholds for any criteria air pollutants. Therefore, long-term operations emissions would result in a less than significant impact.

Cumulative Short-Term Emissions

The SCAB is designated nonattainment for O₃, PM₁₀, and PM_{2.5} for State standards and nonattainment for O₃ and PM_{2.5} for Federal standards. Appendix D of the SCAQMD White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution (2003) notes that projects that result in emissions that do not exceed the project-specific SCAQMD regional thresholds of significance should result in a less than significant impact on a cumulative basis unless there is other pertinent information to the contrary. The mass-based regional significance thresholds published by the SCAQMD are designed to ensure compliance with both NAAQS and CAAQS and are based on an inventory of projected emissions in the SCAB. Therefore, if a project is estimated to result in emissions that do not exceed the thresholds, the project's contribution to the cumulative impact on air quality in the SCAB would not be cumulatively considerable. As shown in [Table 8](#) 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

⁴ TJW Engineering Inc., *Fontana Southridge Focused Traffic Impact Analysis*, December 2020.

air quality. Construction emissions associated with the Project would not result in a cumulatively considerable contribution to significant cumulative air quality impacts.

Cumulative Long-Term 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 9, the Project operational emissions would not exceed SCAQMD thresholds. As a result, operational emissions associated with the Project would not result in a cumulatively considerable contribution to significant cumulative air quality impacts. Additionally, adherence to SCAQMD rules and regulations would alleviate potential impacts related to cumulative conditions on a project-by-project basis. Project operations would not contribute a cumulatively considerable net increase of any nonattainment criteria pollutant.

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 workday 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 residential houses located adjacent to the south of the Project. To identify impacts to sensitive receptors, the SCAQMD recommends addressing LSTs for construction. LSTs were developed in response to SCAQMD Governing Boards' Environmental Justice Enhancement Initiative (I-4). The SCAQMD provided the *Final Localized Significance Threshold Methodology* (dated June 2003 [revised 2008]) for guidance. The LST methodology assists lead agencies in analyzing localized impacts associated with Project-specific emissions.

Since CalEEMod calculates construction emissions based on the number of equipment hours and the maximum daily soil disturbance activity possible for each piece of equipment, Table 10: Equipment-Specific Grading 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, NO₂, PM₁₀, and PM_{2.5}. The SCAQMD produced look-up tables for projects that disturb areas less than or equal to 5 acres in size. Project construction is anticipated to disturb a maximum of 3.5 acres in a single day. As the LST guidance provides thresholds for projects disturbing 1-, 2-, and 5-acres in size and the thresholds increase with size of the site, the LSTs for a 3.5-acre threshold for were interpolated and utilized for this analysis.

Construction Phase	Equipment Type	Equipment Quantity	Acres Graded per 8-Hour Day	Operating Hours per Day	Acres Graded per Day
Site Preparation	Tractors	4	0.5	8	2
	Graders	0	0.5	8	0
	Dozers	3	0.5	8	1.5
	Scrapers	0	1	8	0
Total Acres Graded per Day					3.5

Source: CalEEMod version 2016.3.2. 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 residential houses located approximately 45 feet (14 meters) to the south of the Project. LST thresholds are provided for distances to sensitive receptors of 25 or less, 50, 100, 200, and 500 meters. As the closest receptors are adjacent to the Project, LSTs for 25 meters were utilized in this analysis per SCAQMD guidance. Table 11: Localized Significance of Construction Emissions, shows the results of localized emissions during construction. This table represents the worst-case scenario and are based on peak earthwork volumes anticipated. Table 11 shows that emissions of these pollutants would not result in significant concentrations of pollutants at nearby sensitive receptors. Significant impacts would not occur concerning LSTs during construction.

Construction Activity	Pollutant (Maximum Pounds Per Day)							
	Nitrogen Oxide (NO _x)	Carbon Monoxide (CO)	Coarse Particulate Matter (PM ₁₀)	Fine Particulate Matter (PM _{2.5})				
Phase 1 Site Preparation (2022)	33.08	19.70	8.66	5.36				
Phase 1 Grading (2023)	20.86	14.75	3.40	2.04				
Phase 1 Building Construction (2023)	14.38	41.90*	16.24	34.48*	0.70	9.01*	0.66	5.7*
Phase 2 Site Preparation (2023)	27.52		18.24		8.31		5.04	
Phase 1 Building Construction (2024)	13.44	40.87*	16.17	44.96*	0.61	4.37*	0.58	2.99*
Phase 1 Paving (2024)	8.27		12.22		0.40		0.37	
Phase 1 Architectural Coating (2024)	1.22		1.81		0.06		0.06	
Phase 2 Grading (2024)	17.94		14.76		3.30		1.98	
Phase 2 Building Construction (2024)	13.44	16.17	0.61	0.58				
Phase 2 Building Construction (2025)	12.47	21.15*	16.08	30.07*	0.53	0.93*	0.50	0.88*
Phase 2 Paving (2025)	7.53		12.18		0.35		0.33	
Phase 2 Architectural Coating (2025)	1.15		1.81		0.05		0.05	
<i>SCAQMD Localized Screening Threshold (adjusted for 3.5 acres at 25 meters)</i>	220	1,339	11	6				
Exceed SCAQMD Threshold?	No	No	No	Yes				
Note: * Based on the anticipated construction schedule certain construction activities may occur on the same day, to be conservative these emissions have been combined to show a daily maximum. Source: CalEEMod version 2016.3.2. Refer to Appendix A for model outputs.								

Localized Operational Significance Analysis

According to the SCAQMD localized significance threshold methodology, operational LSTs apply to onsite sources. As the nearest receptors are located approximately 45 feet (14 meters) from the Project site, LSTs for 25 meters for SRA 34 were used in this analysis. The 5-acre operational LST threshold was used for the approximately 4.8-acre project site after rounding up to 5 acres. The on-site operational emissions were calculated using CalEEMod and are compared to the LST thresholds in [Table 12: Localized Significance of Operational Emissions](#). The operational emissions shown in [Table 12](#) include all on-site project related stationary sources (i.e., area and energy sources). [Table 12](#) shows that the project operational localized emissions would not exceed LSTs. Therefore, the project would result in a less than significant impact concerning LSTs during operational activities.

Activity	Pollutant (Maximum Pounds per Day)			
	Nitrogen Oxide (NO _x)	Carbon Monoxide (CO)	Coarse Particulate Matter (PM ₁₀)	Fine Particulate Matter (PM _{2.5})
On-Site and (Area Sources)	0.15	12.79	0.07	0.07
<i>SCAQMD Localized Screening Threshold (5 acres at 25 meters)</i>	270	1,720	4	2
Exceed SCAQMD Threshold?	No	No	No	No
Note: SRA Zone 34 – Central San Bernardino Valley; 5-acre area, 25 meters to receptor. Source: CalEEMod version 2016.3.2. 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 Program⁵ 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 to the SCAQMD's 2016 AQMP, ozone, NO_x, and ROG have been decreasing in the Basin since 1975 and are projected to continue to decrease in the future. Although vehicle miles traveled in the Basin continue to increase, NO_x and ROG levels are decreasing because of the mandated controls on motor vehicles and the replacement of older polluting vehicles with lower-emitting vehicles. NO_x emissions from electric utilities have also decreased due to the use of cleaner fuels and renewable energy. The 2016 AQMP demonstrates how the SCAQMD's control strategy to meet the 8-hour ozone standard in 2023 would lead to sufficient NO_x emission reductions to attain the 1-hour ozone standard by 2022. In addition, since NO_x emissions also lead to the formation of PM_{2.5}, the NO_x reductions needed to meet the ozone standards will likewise lead to improvement of PM_{2.5} levels and attainment of PM_{2.5} standards.

The SCAQMD's air quality modeling demonstrates that NO_x reductions prove to be much more effective in reducing ozone levels and will also lead to significant improvement in PM_{2.5} concentrations. NO_x-emitting stationary sources regulated by the SCAQMD include Regional Clean Air Incentives Market (RECLAIM) facilities (e.g., refineries, power plants, etc.), natural gas combustion equipment (e.g., boilers, heaters, engines, burners, flares) and other combustion sources that burn wood or propane. The 2016 AQMP identifies robust NO_x reductions from new regulations on RECLAIM facilities, non-refinery flares, commercial cooking, and residential and commercial appliances. Such combustion sources are already heavily regulated with the lowest NO_x emissions levels achievable but there are opportunities to require

⁵ 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)]

and accelerate replacement with cleaner zero-emission alternatives, such as residential and commercial furnaces, pool heaters, and backup power equipment. The AQMD plans to achieve such replacements through a combination of regulations and incentives. Technology-forcing regulations can drive development and commercialization of clean technologies, with future year requirements for new or existing equipment. Incentives can then accelerate deployment and enhance public acceptability of new technologies.

The 2016 AQMD 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, Project emissions would be less than significant and would not exceed SCAQMD thresholds (refer to [Table 8](#) and [Table 9](#)). Localized effects of on-site Project emissions on nearby receptors were also found to be less than significant (refer to [Table 11](#) and [Table 12](#)). 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.

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. The Project considered herein would not produce the volume of traffic required to generate a CO hot spot in the context of SCAQMD’s *CO Hotspot Analysis*. As the CO hotspots were not experienced at the Wilshire Boulevard/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 1,135 additional vehicle trips attributable to the Project. Therefore, impacts would be less than significant.

Toxic Air Contaminants

Project construction would generate diesel particulate matter (DPM) emissions from the use of off-road diesel equipment required. 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 toxic air contaminants (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 is highly dispersive and concentrations of DPM 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. Project construction involves phased activities in several areas across the site and the project would not require the extensive use of heavy-duty construction equipment or diesel trucks in any one location over the duration of development, which would limit the exposure of any proximate individual sensitive receptor to TACs. The sensitive receptor nearest the Project site is a single-family residence located approximately 45 feet (14 meters) south of the Project site.

Additionally, construction activities would occur in an area of less than five acres. CARB generally considers construction project sites of such size to represent less than significant health risk impacts due to (1) limitations on the off-road diesel equipment able to operate and thus a reduced amount of generated diesel PM; (2) the reduced amount of dust-generating ground disturbance possible compared to larger construction sites; and, (3) the reduced duration of construction activities compared to the development of larger sites. Additionally, construction is subject to and would comply with California regulations (e.g., California Code of Regulations, Title 13, Division 3, Article 1, Chapter 10, 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 diesel PM 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 diesel PM of any one receptor is exposed to would be limited. Therefore, considering the relatively short duration of diesel PM-emitting construction activity at any one location of the plan area and the highly dispersive properties of diesel PM, sensitive receptors would not be exposed to substantial concentrations of construction-related TAC emissions. The proposed Project would also not involve the use, storage, or processing of carcinogenic or non-carcinogenic TACs, and no significant toxic airborne emissions would result from Project operations. Therefore, Project impacts concerning the release of toxic air contaminants 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-related activities, some odors (not substantial pollutant concentrations) that may be detected are those typical of construction vehicles (e.g. diesel exhaust from grading and construction equipment). These odors are a temporary short-term impact that is typical of construction projects, are not expected to affect a substantial number of people, and would disperse rapidly. Furthermore, odors that could be generated by construction activities are required to follow SCAQMD Rule 402 (Nuisance) to prevent odor nuisances on sensitive land uses. Therefore, impacts related to odors associated with the Project's construction-related activities would be less than significant.

Operational

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 proposed Project would not create objectionable odors.

Mitigation Measures: No mitigation is required.

Level of Significance: No impact.

CUMULATIVE SETTING, IMPACTS, AND MITIGATION MEASURES**Cumulative Setting**

The cumulative setting for air quality includes the City of Fontana and SCAB. SCAB is designated as a nonattainment area for State standards of ozone, PM₁₀, and PM_{2.5}. The SCAB is designated as a nonattainment area for federal standards of ozone and PM_{2.5}, attainment and serious maintenance for federal PM₁₀ standards, and is designated as unclassified or attainment for all other pollutants. Cumulative growth in population and vehicle use could inhibit efforts to improve regional air quality and attain the ambient air quality standards.

Cumulative Impacts and Mitigation Measures

The SCAQMD's approach to assessing cumulative impacts is based on the AQMP forecasts of attainment of ambient air quality standards in accordance with requirements of the FCAA and CCAA. As discussed above, the proposed Project would be consistent with the AQMP, which is intended to bring SCAB into attainment for all criteria pollutants. Since the Project's estimated construction and operational emissions would not exceed the applicable SCAQMD daily significance thresholds that are designed to assist the region in attaining both NAAQS and CAAQS, cumulative impacts would be less than significant.

Mitigation Measures: No mitigation is required.

Level of Significance: Less than significant impact.

6 REFERENCES

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Appendix A

Air Quality Modeling Data

Fontana-Southridge - San Bernardino-South Coast County, Summer

Fontana-Southridge
San Bernardino-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	11.94	1000sqft	0.27	11,939.00	0
Parking Lot	89.98	1000sqft	2.07	89,981.00	0
City Park	0.75	Acre	0.75	32,670.00	0
Recreational Swimming Pool	1.40	1000sqft	0.03	1,395.00	0
Apartments Mid Rise	155.00	Dwelling Unit	1.70	155,000.00	443

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	510.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Fontana-Soutridge - San Bernardino-South Coast County, Summer

Project Characteristics - SCE - Adjusted per the SCE 2018 Corporate Responsibility and Sustainability Report. The report provides intensity factor of CO2e, the

CO2 intensity factor is calculated as $513 \cdot 25 \cdot 0.029 \cdot 298 \cdot 0.00617 = 510.44$ to avoid double counting.

Land Use - building footprint: 72,702 (1.7 acres) 155 DU, 11,939 other paving, 1,395 pool, parking =89,981 (includes parking spaces and drive aisles), landscape shown as city park - 32,861 (0.75 acre)

Construction Phase - assumed schedule based on construction questionnaire

Trips and VMT -

Grading - import 121,000 cy of soil total

Architectural Coating - Low VOC, Rule 1113

Vehicle Trips - Trip rate based on TIA, $1135/155 = 7.3225806451612903225806451612903$

Vehicle Emission Factors - EMFAC 2017 - San Bernardino(SC) 2025 with SAFE Rule

Vehicle Emission Factors - EMFAC 2017 - San Bernardino(SC) 2025 with SAFE Rule

Vehicle Emission Factors - EMFAC 2017 - San Bernardino(SC) 2025 with SAFE Rule

Area Coating -

Energy Use -

Construction Off-road Equipment Mitigation - Rule 403

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation - When rooftop solar electricity generation is factored in, homes built under the 2019 standards will use about 53 percent less energy than those under the 2016 standards.

Water Mitigation - low flow fixtures - consistent with current building code

Waste Mitigation - AB 939 - divert at least 50% of solid waste from landfills

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12

Fontana-Soutridge - San Bernardino-South Coast County, Summer

tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	18.00	30.00
tblConstructionPhase	NumDays	18.00	30.00
tblConstructionPhase	NumDays	8.00	60.00
tblConstructionPhase	NumDays	8.00	60.00
tblConstructionPhase	NumDays	18.00	30.00
tblConstructionPhase	NumDays	18.00	30.00
tblConstructionPhase	NumDays	5.00	20.00
tblConstructionPhase	NumDays	5.00	20.00
tblGrading	MaterialImported	0.00	90,000.00
tblGrading	MaterialImported	0.00	31,000.00
tblLandUse	LandUseSquareFeet	11,940.00	11,939.00
tblLandUse	LandUseSquareFeet	89,980.00	89,981.00
tblLandUse	LandUseSquareFeet	1,400.00	1,395.00
tblLandUse	LotAcreage	4.08	1.70
tblProjectCharacteristics	CO2IntensityFactor	702.44	510.44
tblTripsAndVMT	HaulingTripNumber	3,875.00	0.00
tblVehicleEF	HHD	0.92	0.03
tblVehicleEF	HHD	0.04	0.12
tblVehicleEF	HHD	0.07	1.7939e-007
tblVehicleEF	HHD	2.19	6.38
tblVehicleEF	HHD	0.53	0.55
tblVehicleEF	HHD	1.62	3.2689e-003
tblVehicleEF	HHD	6,474.46	1,042.85
tblVehicleEF	HHD	1,422.33	1,361.14
tblVehicleEF	HHD	5.17	0.03
tblVehicleEF	HHD	18.43	5.42

Fontana-Southridge - San Bernardino-South Coast County, Summer

tblVehicleEF	HHD	1.24	2.57
tblVehicleEF	HHD	20.22	2.41
tblVehicleEF	HHD	4.8440e-003	2.6799e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	5.2540e-003	0.02
tblVehicleEF	HHD	4.6000e-005	5.3631e-007
tblVehicleEF	HHD	4.6350e-003	2.5640e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8780e-003	8.8272e-003
tblVehicleEF	HHD	5.0260e-003	0.02
tblVehicleEF	HHD	4.2000e-005	4.9311e-007
tblVehicleEF	HHD	6.8000e-005	2.6738e-006
tblVehicleEF	HHD	2.5340e-003	8.5760e-005
tblVehicleEF	HHD	0.58	0.43
tblVehicleEF	HHD	4.2000e-005	1.5920e-006
tblVehicleEF	HHD	0.06	0.03
tblVehicleEF	HHD	1.6400e-004	4.2403e-004
tblVehicleEF	HHD	0.04	9.4154e-007
tblVehicleEF	HHD	0.06	9.5775e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	7.8000e-005	2.6552e-007
tblVehicleEF	HHD	6.8000e-005	2.6738e-006
tblVehicleEF	HHD	2.5340e-003	8.5760e-005
tblVehicleEF	HHD	0.67	0.49
tblVehicleEF	HHD	4.2000e-005	1.5920e-006
tblVehicleEF	HHD	0.10	0.15

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tblVehicleEF	HHD	1.6400e-004	4.2403e-004
tblVehicleEF	HHD	0.04	1.0309e-006
tblVehicleEF	HHD	0.87	0.03
tblVehicleEF	HHD	0.04	0.12
tblVehicleEF	HHD	0.07	1.7114e-007
tblVehicleEF	HHD	1.59	6.29
tblVehicleEF	HHD	0.53	0.55
tblVehicleEF	HHD	1.51	3.0862e-003
tblVehicleEF	HHD	6,859.11	1,030.98
tblVehicleEF	HHD	1,422.33	1,361.14
tblVehicleEF	HHD	5.17	0.03
tblVehicleEF	HHD	19.03	5.17
tblVehicleEF	HHD	1.17	2.42
tblVehicleEF	HHD	20.21	2.41
tblVehicleEF	HHD	4.0840e-003	2.3431e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	5.2540e-003	0.02
tblVehicleEF	HHD	4.6000e-005	5.3631e-007
tblVehicleEF	HHD	3.9070e-003	2.2417e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8780e-003	8.8272e-003
tblVehicleEF	HHD	5.0260e-003	0.02
tblVehicleEF	HHD	4.2000e-005	4.9311e-007
tblVehicleEF	HHD	1.3100e-004	5.2195e-006
tblVehicleEF	HHD	2.8230e-003	9.7400e-005
tblVehicleEF	HHD	0.55	0.45

Fontana-Soutridge - San Bernardino-South Coast County, Summer

tblVehicleEF	HHD	9.1000e-005	3.4864e-006
tblVehicleEF	HHD	0.06	0.03
tblVehicleEF	HHD	1.6500e-004	4.3454e-004
tblVehicleEF	HHD	0.04	9.0093e-007
tblVehicleEF	HHD	0.06	9.4647e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	7.7000e-005	2.6266e-007
tblVehicleEF	HHD	1.3100e-004	5.2195e-006
tblVehicleEF	HHD	2.8230e-003	9.7400e-005
tblVehicleEF	HHD	0.63	0.52
tblVehicleEF	HHD	9.1000e-005	3.4864e-006
tblVehicleEF	HHD	0.10	0.15
tblVehicleEF	HHD	1.6500e-004	4.3454e-004
tblVehicleEF	HHD	0.04	9.8640e-007
tblVehicleEF	HHD	1.00	0.03
tblVehicleEF	HHD	0.04	0.12
tblVehicleEF	HHD	0.07	1.7837e-007
tblVehicleEF	HHD	3.02	6.51
tblVehicleEF	HHD	0.53	0.55
tblVehicleEF	HHD	1.59	3.2433e-003
tblVehicleEF	HHD	5,943.27	1,059.23
tblVehicleEF	HHD	1,422.33	1,361.14
tblVehicleEF	HHD	5.17	0.03
tblVehicleEF	HHD	17.62	5.75
tblVehicleEF	HHD	1.22	2.53
tblVehicleEF	HHD	20.22	2.41
tblVehicleEF	HHD	5.8940e-003	3.1450e-003

Fontana-Southridge - San Bernardino-South Coast County, Summer

tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	5.2540e-003	0.02
tblVehicleEF	HHD	4.6000e-005	5.3631e-007
tblVehicleEF	HHD	5.6390e-003	3.0090e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8780e-003	8.8272e-003
tblVehicleEF	HHD	5.0260e-003	0.02
tblVehicleEF	HHD	4.2000e-005	4.9311e-007
tblVehicleEF	HHD	6.5000e-005	2.8139e-006
tblVehicleEF	HHD	2.7100e-003	9.9200e-005
tblVehicleEF	HHD	0.63	0.39
tblVehicleEF	HHD	4.1000e-005	1.6854e-006
tblVehicleEF	HHD	0.06	0.03
tblVehicleEF	HHD	1.7700e-004	4.4608e-004
tblVehicleEF	HHD	0.04	9.3631e-007
tblVehicleEF	HHD	0.06	9.7333e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	7.8000e-005	2.6512e-007
tblVehicleEF	HHD	6.5000e-005	2.8139e-006
tblVehicleEF	HHD	2.7100e-003	9.9200e-005
tblVehicleEF	HHD	0.72	0.45
tblVehicleEF	HHD	4.1000e-005	1.6854e-006
tblVehicleEF	HHD	0.10	0.15
tblVehicleEF	HHD	1.7700e-004	4.4608e-004
tblVehicleEF	HHD	0.04	1.0251e-006
tblVehicleEF	LDA	3.1880e-003	1.7956e-003

Fontana-Soutridge - San Bernardino-South Coast County, Summer

tblVehicleEF	LDA	3.8220e-003	0.04
tblVehicleEF	LDA	0.47	0.56
tblVehicleEF	LDA	0.91	1.91
tblVehicleEF	LDA	222.19	240.74
tblVehicleEF	LDA	50.72	48.85
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.15
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	1.6130e-003	1.3699e-003
tblVehicleEF	LDA	2.2290e-003	1.6536e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	1.4850e-003	1.2610e-003
tblVehicleEF	LDA	2.0500e-003	1.5204e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.08	0.09
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	7.9920e-003	6.4399e-003
tblVehicleEF	LDA	0.03	0.19
tblVehicleEF	LDA	0.05	0.17
tblVehicleEF	LDA	2.2240e-003	2.3815e-003
tblVehicleEF	LDA	5.2200e-004	4.8343e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.08	0.09
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	9.3792e-003

Fontana-Southridge - San Bernardino-South Coast County, Summer

tblVehicleEF	LDA	0.03	0.19
tblVehicleEF	LDA	0.06	0.18
tblVehicleEF	LDA	3.6270e-003	2.0302e-003
tblVehicleEF	LDA	3.1890e-003	0.03
tblVehicleEF	LDA	0.58	0.68
tblVehicleEF	LDA	0.75	1.61
tblVehicleEF	LDA	243.03	260.62
tblVehicleEF	LDA	50.72	48.30
tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.05	0.14
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	1.6130e-003	1.3699e-003
tblVehicleEF	LDA	2.2290e-003	1.6536e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	1.4850e-003	1.2610e-003
tblVehicleEF	LDA	2.0500e-003	1.5204e-003
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.06	0.07
tblVehicleEF	LDA	9.0770e-003	7.2035e-003
tblVehicleEF	LDA	0.03	0.19
tblVehicleEF	LDA	0.04	0.14
tblVehicleEF	LDA	2.4340e-003	2.5782e-003
tblVehicleEF	LDA	5.1900e-004	4.7800e-004
tblVehicleEF	LDA	0.07	0.09

Fontana-Soutridge - San Bernardino-South Coast County, Summer

tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.06	0.07
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.19
tblVehicleEF	LDA	0.05	0.16
tblVehicleEF	LDA	3.1050e-003	1.7588e-003
tblVehicleEF	LDA	3.8020e-003	0.04
tblVehicleEF	LDA	0.45	0.54
tblVehicleEF	LDA	0.89	1.91
tblVehicleEF	LDA	217.26	237.04
tblVehicleEF	LDA	50.72	48.86
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.15
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	1.6130e-003	1.3699e-003
tblVehicleEF	LDA	2.2290e-003	1.6536e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	1.4850e-003	1.2610e-003
tblVehicleEF	LDA	2.0500e-003	1.5204e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	7.7850e-003	6.3088e-003
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.05	0.17

Fontana-Southridge - San Bernardino-South Coast County, Summer

tblVehicleEF	LDA	2.1750e-003	2.3449e-003
tblVehicleEF	LDA	5.2200e-004	4.8349e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	9.1876e-003
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.06	0.19
tblVehicleEF	LDT1	9.7080e-003	4.9705e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.15	1.10
tblVehicleEF	LDT1	2.64	2.12
tblVehicleEF	LDT1	283.82	286.86
tblVehicleEF	LDT1	64.79	59.47
tblVehicleEF	LDT1	0.12	0.08
tblVehicleEF	LDT1	0.16	0.23
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	2.3710e-003	1.8857e-003
tblVehicleEF	LDT1	3.2130e-003	2.2903e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	2.1820e-003	1.7349e-003
tblVehicleEF	LDT1	2.9550e-003	2.1059e-003
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.27	0.20
tblVehicleEF	LDT1	0.10	0.00

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tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.17	0.68
tblVehicleEF	LDT1	0.18	0.30
tblVehicleEF	LDT1	2.8520e-003	2.8386e-003
tblVehicleEF	LDT1	6.9400e-004	5.8846e-004
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.27	0.20
tblVehicleEF	LDT1	0.10	0.11
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.17	0.68
tblVehicleEF	LDT1	0.20	0.33
tblVehicleEF	LDT1	0.01	5.5629e-003
tblVehicleEF	LDT1	0.01	0.05
tblVehicleEF	LDT1	1.38	1.30
tblVehicleEF	LDT1	2.17	1.78
tblVehicleEF	LDT1	309.34	307.46
tblVehicleEF	LDT1	64.79	58.79
tblVehicleEF	LDT1	0.10	0.07
tblVehicleEF	LDT1	0.15	0.21
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	2.3710e-003	1.8857e-003
tblVehicleEF	LDT1	3.2130e-003	2.2903e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	2.1820e-003	1.7349e-003
tblVehicleEF	LDT1	2.9550e-003	2.1059e-003

Fontana-Southridge - San Bernardino-South Coast County, Summer

tblVehicleEF	LDT1	0.31	0.27
tblVehicleEF	LDT1	0.33	0.24
tblVehicleEF	LDT1	0.22	0.00
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.17	0.67
tblVehicleEF	LDT1	0.15	0.26
tblVehicleEF	LDT1	3.1100e-003	3.0425e-003
tblVehicleEF	LDT1	6.8600e-004	5.8176e-004
tblVehicleEF	LDT1	0.31	0.27
tblVehicleEF	LDT1	0.33	0.24
tblVehicleEF	LDT1	0.22	0.20
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.17	0.67
tblVehicleEF	LDT1	0.16	0.29
tblVehicleEF	LDT1	9.4580e-003	4.8755e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.09	1.06
tblVehicleEF	LDT1	2.60	2.12
tblVehicleEF	LDT1	277.82	283.02
tblVehicleEF	LDT1	64.79	59.48
tblVehicleEF	LDT1	0.11	0.08
tblVehicleEF	LDT1	0.15	0.23
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	2.3710e-003	1.8857e-003
tblVehicleEF	LDT1	3.2130e-003	2.2903e-003
tblVehicleEF	LDT1	0.02	0.02

Fontana-Southridge - San Bernardino-South Coast County, Summer

tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	2.1820e-003	1.7349e-003
tblVehicleEF	LDT1	2.9550e-003	2.1059e-003
tblVehicleEF	LDT1	0.16	0.14
tblVehicleEF	LDT1	0.31	0.23
tblVehicleEF	LDT1	0.10	0.00
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.20	0.79
tblVehicleEF	LDT1	0.18	0.31
tblVehicleEF	LDT1	2.7910e-003	2.8006e-003
tblVehicleEF	LDT1	6.9300e-004	5.8857e-004
tblVehicleEF	LDT1	0.16	0.14
tblVehicleEF	LDT1	0.31	0.23
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.20	0.79
tblVehicleEF	LDT1	0.20	0.34
tblVehicleEF	LDT2	4.9170e-003	3.2103e-003
tblVehicleEF	LDT2	5.8030e-003	0.06
tblVehicleEF	LDT2	0.67	0.81
tblVehicleEF	LDT2	1.28	2.44
tblVehicleEF	LDT2	315.69	299.56
tblVehicleEF	LDT2	71.50	62.23
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.10	0.23
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003

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tblVehicleEF	LDT2	1.7520e-003	1.4593e-003
tblVehicleEF	LDT2	2.4460e-003	1.7259e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.6110e-003	1.3430e-003
tblVehicleEF	LDT2	2.2490e-003	1.5869e-003
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.08	0.26
tblVehicleEF	LDT2	3.1620e-003	2.9636e-003
tblVehicleEF	LDT2	7.3600e-004	6.1584e-004
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.28
tblVehicleEF	LDT2	5.5770e-003	3.6121e-003
tblVehicleEF	LDT2	4.8410e-003	0.05
tblVehicleEF	LDT2	0.82	0.97
tblVehicleEF	LDT2	1.06	2.05
tblVehicleEF	LDT2	344.57	319.04
tblVehicleEF	LDT2	71.50	61.50
tblVehicleEF	LDT2	0.06	0.05

Fontana-Southridge - San Bernardino-South Coast County, Summer

tblVehicleEF	LDT2	0.09	0.21
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	1.7520e-003	1.4593e-003
tblVehicleEF	LDT2	2.4460e-003	1.7259e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.6110e-003	1.3430e-003
tblVehicleEF	LDT2	2.2490e-003	1.5869e-003
tblVehicleEF	LDT2	0.11	0.16
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.40
tblVehicleEF	LDT2	0.07	0.22
tblVehicleEF	LDT2	3.4530e-003	3.1564e-003
tblVehicleEF	LDT2	7.3300e-004	6.0857e-004
tblVehicleEF	LDT2	0.11	0.16
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.40
tblVehicleEF	LDT2	0.07	0.24
tblVehicleEF	LDT2	4.7910e-003	3.1469e-003
tblVehicleEF	LDT2	5.7690e-003	0.06
tblVehicleEF	LDT2	0.64	0.77
tblVehicleEF	LDT2	1.26	2.44

Fontana-Southridge - San Bernardino-South Coast County, Summer

tblVehicleEF	LDT2	308.90	295.93
tblVehicleEF	LDT2	71.50	62.25
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.10	0.23
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	1.7520e-003	1.4593e-003
tblVehicleEF	LDT2	2.4460e-003	1.7259e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.6110e-003	1.3430e-003
tblVehicleEF	LDT2	2.2490e-003	1.5869e-003
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.08	0.26
tblVehicleEF	LDT2	3.0940e-003	2.9277e-003
tblVehicleEF	LDT2	7.3600e-004	6.1598e-004
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.09	0.28
tblVehicleEF	LHD1	4.6720e-003	4.6592e-003

Fontana-Southridge - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD1	8.9900e-003	4.5968e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.17
tblVehicleEF	LHD1	0.81	0.55
tblVehicleEF	LHD1	2.18	0.93
tblVehicleEF	LHD1	9.21	9.02
tblVehicleEF	LHD1	593.90	627.68
tblVehicleEF	LHD1	28.73	10.54
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	1.68	0.90
tblVehicleEF	LHD1	0.88	0.28
tblVehicleEF	LHD1	9.5400e-004	9.3201e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.9377e-003
tblVehicleEF	LHD1	0.01	8.4441e-003
tblVehicleEF	LHD1	8.2700e-004	2.2762e-004
tblVehicleEF	LHD1	9.1300e-004	8.9169e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5700e-003	2.4844e-003
tblVehicleEF	LHD1	0.01	8.0543e-003
tblVehicleEF	LHD1	7.6100e-004	2.0929e-004
tblVehicleEF	LHD1	3.3830e-003	2.5482e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7110e-003	1.3670e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.35	0.49

Fontana-Southridge - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD1	0.22	0.06
tblVehicleEF	LHD1	9.2000e-005	8.7272e-005
tblVehicleEF	LHD1	5.8160e-003	6.1122e-003
tblVehicleEF	LHD1	3.2800e-004	1.0432e-004
tblVehicleEF	LHD1	3.3830e-003	2.5482e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7110e-003	1.3670e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.35	0.49
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	4.6720e-003	4.6714e-003
tblVehicleEF	LHD1	9.1960e-003	4.6751e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.17
tblVehicleEF	LHD1	0.82	0.56
tblVehicleEF	LHD1	2.04	0.89
tblVehicleEF	LHD1	9.21	9.02
tblVehicleEF	LHD1	593.90	627.70
tblVehicleEF	LHD1	28.73	10.46
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	1.58	0.85
tblVehicleEF	LHD1	0.84	0.27
tblVehicleEF	LHD1	9.5400e-004	9.3201e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.9377e-003
tblVehicleEF	LHD1	0.01	8.4441e-003

Fontana-Southridge - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD1	8.2700e-004	2.2762e-004
tblVehicleEF	LHD1	9.1300e-004	8.9169e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5700e-003	2.4844e-003
tblVehicleEF	LHD1	0.01	8.0543e-003
tblVehicleEF	LHD1	7.6100e-004	2.0929e-004
tblVehicleEF	LHD1	6.6270e-003	4.5664e-003
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	3.7910e-003	2.5856e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.35	0.49
tblVehicleEF	LHD1	0.21	0.06
tblVehicleEF	LHD1	9.2000e-005	8.7272e-005
tblVehicleEF	LHD1	5.8160e-003	6.1124e-003
tblVehicleEF	LHD1	3.2600e-004	1.0349e-004
tblVehicleEF	LHD1	6.6270e-003	4.5664e-003
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	3.7910e-003	2.5856e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.35	0.49
tblVehicleEF	LHD1	0.23	0.07
tblVehicleEF	LHD1	4.6720e-003	4.6606e-003
tblVehicleEF	LHD1	9.0130e-003	4.6025e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.17

Fontana-Southridge - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD1	0.81	0.55
tblVehicleEF	LHD1	2.15	0.93
tblVehicleEF	LHD1	9.21	9.02
tblVehicleEF	LHD1	593.90	627.68
tblVehicleEF	LHD1	28.73	10.53
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	1.65	0.89
tblVehicleEF	LHD1	0.87	0.28
tblVehicleEF	LHD1	9.5400e-004	9.3201e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.9377e-003
tblVehicleEF	LHD1	0.01	8.4441e-003
tblVehicleEF	LHD1	8.2700e-004	2.2762e-004
tblVehicleEF	LHD1	9.1300e-004	8.9169e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5700e-003	2.4844e-003
tblVehicleEF	LHD1	0.01	8.0543e-003
tblVehicleEF	LHD1	7.6100e-004	2.0929e-004
tblVehicleEF	LHD1	3.6120e-003	2.5913e-003
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.6770e-003	1.3826e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.37	0.53
tblVehicleEF	LHD1	0.22	0.06
tblVehicleEF	LHD1	9.2000e-005	8.7272e-005
tblVehicleEF	LHD1	5.8160e-003	6.1122e-003

Fontana-Southridge - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD1	3.2800e-004	1.0423e-004
tblVehicleEF	LHD1	3.6120e-003	2.5913e-003
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.6770e-003	1.3826e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.37	0.53
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD2	3.1420e-003	3.3291e-003
tblVehicleEF	LHD2	3.3700e-003	3.3970e-003
tblVehicleEF	LHD2	5.9590e-003	8.4449e-003
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.36	0.39
tblVehicleEF	LHD2	1.03	0.59
tblVehicleEF	LHD2	14.09	13.88
tblVehicleEF	LHD2	595.69	638.20
tblVehicleEF	LHD2	23.37	8.04
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	0.94	0.99
tblVehicleEF	LHD2	0.43	0.19
tblVehicleEF	LHD2	1.2080e-003	1.3651e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6200e-004	1.1985e-004
tblVehicleEF	LHD2	1.1560e-003	1.3061e-003
tblVehicleEF	LHD2	0.04	0.04

Fontana-Southridge - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD2	2.6970e-003	2.6752e-003
tblVehicleEF	LHD2	9.9080e-003	0.01
tblVehicleEF	LHD2	3.3300e-004	1.1020e-004
tblVehicleEF	LHD2	1.0780e-003	1.4504e-003
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.0700e-004	8.2611e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.07	0.26
tblVehicleEF	LHD2	0.08	0.04
tblVehicleEF	LHD2	1.3700e-004	1.3274e-004
tblVehicleEF	LHD2	5.7920e-003	6.1632e-003
tblVehicleEF	LHD2	2.5200e-004	7.9589e-005
tblVehicleEF	LHD2	1.0780e-003	1.4504e-003
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.0700e-004	8.2611e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.07	0.26
tblVehicleEF	LHD2	0.09	0.05
tblVehicleEF	LHD2	3.1420e-003	3.3377e-003
tblVehicleEF	LHD2	3.4100e-003	3.4261e-003
tblVehicleEF	LHD2	5.7050e-003	8.1204e-003
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.36	0.40
tblVehicleEF	LHD2	0.97	0.56
tblVehicleEF	LHD2	14.09	13.88

Fontana-Southridge - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD2	595.69	638.20
tblVehicleEF	LHD2	23.37	7.99
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	0.88	0.93
tblVehicleEF	LHD2	0.41	0.19
tblVehicleEF	LHD2	1.2080e-003	1.3651e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6200e-004	1.1985e-004
tblVehicleEF	LHD2	1.1560e-003	1.3061e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6970e-003	2.6752e-003
tblVehicleEF	LHD2	9.9080e-003	0.01
tblVehicleEF	LHD2	3.3300e-004	1.1020e-004
tblVehicleEF	LHD2	2.0680e-003	2.6071e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.2890e-003	1.5543e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.07	0.26
tblVehicleEF	LHD2	0.08	0.04
tblVehicleEF	LHD2	1.3700e-004	1.3274e-004
tblVehicleEF	LHD2	5.7920e-003	6.1632e-003
tblVehicleEF	LHD2	2.5100e-004	7.9062e-005
tblVehicleEF	LHD2	2.0680e-003	2.6071e-003
tblVehicleEF	LHD2	0.04	0.05

Fontana-Southridge - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.2890e-003	1.5543e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.07	0.26
tblVehicleEF	LHD2	0.08	0.04
tblVehicleEF	LHD2	3.1420e-003	3.3301e-003
tblVehicleEF	LHD2	3.3740e-003	3.3996e-003
tblVehicleEF	LHD2	5.9110e-003	8.4051e-003
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.36	0.39
tblVehicleEF	LHD2	1.02	0.59
tblVehicleEF	LHD2	14.09	13.88
tblVehicleEF	LHD2	595.69	638.20
tblVehicleEF	LHD2	23.37	8.04
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	0.92	0.97
tblVehicleEF	LHD2	0.42	0.19
tblVehicleEF	LHD2	1.2080e-003	1.3651e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6200e-004	1.1985e-004
tblVehicleEF	LHD2	1.1560e-003	1.3061e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6970e-003	2.6752e-003
tblVehicleEF	LHD2	9.9080e-003	0.01
tblVehicleEF	LHD2	3.3300e-004	1.1020e-004

Fontana-Soutridge - San Bernardino-South Coast County, Summer

tblVehicleEF	LHD2	1.0780e-003	1.4139e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	5.9100e-004	8.2323e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.07	0.28
tblVehicleEF	LHD2	0.08	0.04
tblVehicleEF	LHD2	1.3700e-004	1.3274e-004
tblVehicleEF	LHD2	5.7920e-003	6.1632e-003
tblVehicleEF	LHD2	2.5200e-004	7.9530e-005
tblVehicleEF	LHD2	1.0780e-003	1.4139e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	5.9100e-004	8.2323e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.07	0.28
tblVehicleEF	LHD2	0.09	0.04
tblVehicleEF	MCY	0.44	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	19.41	18.56
tblVehicleEF	MCY	9.98	8.66
tblVehicleEF	MCY	169.81	213.44
tblVehicleEF	MCY	45.18	59.80
tblVehicleEF	MCY	1.15	1.12
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003

Fontana-Southridge - San Bernardino-South Coast County, Summer

tblVehicleEF	MCY	1.9700e-003	2.1222e-003
tblVehicleEF	MCY	3.3250e-003	2.7612e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	1.8410e-003	1.9817e-003
tblVehicleEF	MCY	3.1250e-003	2.5915e-003
tblVehicleEF	MCY	1.43	1.42
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	0.78	0.77
tblVehicleEF	MCY	2.18	2.33
tblVehicleEF	MCY	0.45	1.71
tblVehicleEF	MCY	2.12	1.82
tblVehicleEF	MCY	2.0790e-003	2.1122e-003
tblVehicleEF	MCY	6.7700e-004	5.9180e-004
tblVehicleEF	MCY	1.43	1.42
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	0.78	0.77
tblVehicleEF	MCY	2.71	2.89
tblVehicleEF	MCY	0.45	1.71
tblVehicleEF	MCY	2.31	1.98
tblVehicleEF	MCY	0.43	0.34
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	19.54	18.61
tblVehicleEF	MCY	9.04	7.91
tblVehicleEF	MCY	169.81	213.37
tblVehicleEF	MCY	45.18	57.90
tblVehicleEF	MCY	0.98	0.97

Fontana-Soutridge - San Bernardino-South Coast County, Summer

tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	1.9700e-003	2.1222e-003
tblVehicleEF	MCY	3.3250e-003	2.7612e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	1.8410e-003	1.9817e-003
tblVehicleEF	MCY	3.1250e-003	2.5915e-003
tblVehicleEF	MCY	3.10	2.77
tblVehicleEF	MCY	1.23	1.10
tblVehicleEF	MCY	2.07	1.75
tblVehicleEF	MCY	2.14	2.29
tblVehicleEF	MCY	0.45	1.68
tblVehicleEF	MCY	1.83	1.60
tblVehicleEF	MCY	2.0790e-003	2.1115e-003
tblVehicleEF	MCY	6.5300e-004	5.7294e-004
tblVehicleEF	MCY	3.10	2.77
tblVehicleEF	MCY	1.23	1.10
tblVehicleEF	MCY	2.07	1.75
tblVehicleEF	MCY	2.65	2.84
tblVehicleEF	MCY	0.45	1.68
tblVehicleEF	MCY	1.99	1.74
tblVehicleEF	MCY	0.43	0.34
tblVehicleEF	MCY	0.15	0.23
tblVehicleEF	MCY	18.58	18.09
tblVehicleEF	MCY	9.62	8.51

Fontana-Soutridge - San Bernardino-South Coast County, Summer

tblVehicleEF	MCY	169.81	212.63
tblVehicleEF	MCY	45.18	59.48
tblVehicleEF	MCY	1.11	1.09
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	1.9700e-003	2.1222e-003
tblVehicleEF	MCY	3.3250e-003	2.7612e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	1.8410e-003	1.9817e-003
tblVehicleEF	MCY	3.1250e-003	2.5915e-003
tblVehicleEF	MCY	1.69	1.57
tblVehicleEF	MCY	1.07	1.03
tblVehicleEF	MCY	0.70	0.73
tblVehicleEF	MCY	2.15	2.31
tblVehicleEF	MCY	0.52	1.96
tblVehicleEF	MCY	2.05	1.79
tblVehicleEF	MCY	2.0650e-003	2.1042e-003
tblVehicleEF	MCY	6.6900e-004	5.8858e-004
tblVehicleEF	MCY	1.69	1.57
tblVehicleEF	MCY	1.07	1.03
tblVehicleEF	MCY	0.70	0.73
tblVehicleEF	MCY	2.67	2.87
tblVehicleEF	MCY	0.52	1.96
tblVehicleEF	MCY	2.23	1.95
tblVehicleEF	MDV	9.3540e-003	3.8819e-003

Fontana-Southridge - San Bernardino-South Coast County, Summer

tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.04	0.88
tblVehicleEF	MDV	2.45	2.76
tblVehicleEF	MDV	439.27	372.59
tblVehicleEF	MDV	98.67	77.65
tblVehicleEF	MDV	0.13	0.07
tblVehicleEF	MDV	0.23	0.29
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.7830e-003	1.5014e-003
tblVehicleEF	MDV	2.4100e-003	1.7545e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	1.6430e-003	1.3842e-003
tblVehicleEF	MDV	2.2160e-003	1.6132e-003
tblVehicleEF	MDV	0.09	0.10
tblVehicleEF	MDV	0.18	0.15
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.10	0.46
tblVehicleEF	MDV	0.18	0.33
tblVehicleEF	MDV	4.3980e-003	3.6833e-003
tblVehicleEF	MDV	1.0290e-003	7.6838e-004
tblVehicleEF	MDV	0.09	0.10
tblVehicleEF	MDV	0.18	0.15
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02

Fontana-Southridge - San Bernardino-South Coast County, Summer

tblVehicleEF	MDV	0.10	0.46
tblVehicleEF	MDV	0.20	0.36
tblVehicleEF	MDV	0.01	4.3732e-003
tblVehicleEF	MDV	0.01	0.06
tblVehicleEF	MDV	1.27	1.05
tblVehicleEF	MDV	2.03	2.32
tblVehicleEF	MDV	478.15	392.95
tblVehicleEF	MDV	98.67	76.79
tblVehicleEF	MDV	0.11	0.06
tblVehicleEF	MDV	0.22	0.27
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.7830e-003	1.5014e-003
tblVehicleEF	MDV	2.4100e-003	1.7545e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	1.6430e-003	1.3842e-003
tblVehicleEF	MDV	2.2160e-003	1.6132e-003
tblVehicleEF	MDV	0.19	0.19
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.16	0.17
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.10	0.45
tblVehicleEF	MDV	0.15	0.28
tblVehicleEF	MDV	4.7900e-003	3.8847e-003
tblVehicleEF	MDV	1.0220e-003	7.5989e-004
tblVehicleEF	MDV	0.19	0.19

Fontana-Southridge - San Bernardino-South Coast County, Summer

tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.16	0.17
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.10	0.45
tblVehicleEF	MDV	0.17	0.31
tblVehicleEF	MDV	9.1040e-003	3.8031e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	0.99	0.84
tblVehicleEF	MDV	2.42	2.77
tblVehicleEF	MDV	430.20	368.80
tblVehicleEF	MDV	98.67	77.67
tblVehicleEF	MDV	0.12	0.07
tblVehicleEF	MDV	0.23	0.28
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.7830e-003	1.5014e-003
tblVehicleEF	MDV	2.4100e-003	1.7545e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	1.6430e-003	1.3842e-003
tblVehicleEF	MDV	2.2160e-003	1.6132e-003
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.20	0.16
tblVehicleEF	MDV	0.08	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.12	0.52
tblVehicleEF	MDV	0.18	0.33

Fontana-Southridge - San Bernardino-South Coast County, Summer

tblVehicleEF	MDV	4.3070e-003	3.6457e-003
tblVehicleEF	MDV	1.0290e-003	7.6857e-004
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.20	0.16
tblVehicleEF	MDV	0.08	0.09
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.12	0.53
tblVehicleEF	MDV	0.20	0.36
tblVehicleEF	MH	0.02	8.2308e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.94	0.88
tblVehicleEF	MH	5.34	1.88
tblVehicleEF	MH	1,048.24	1,434.92
tblVehicleEF	MH	58.51	17.73
tblVehicleEF	MH	1.28	1.37
tblVehicleEF	MH	0.81	0.24
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.0110e-003	2.2144e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2250e-003	3.2915e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	9.3000e-004	2.0360e-004
tblVehicleEF	MH	1.22	0.91
tblVehicleEF	MH	0.08	0.06
tblVehicleEF	MH	0.43	0.36

Fontana-Southridge - San Bernardino-South Coast County, Summer

tblVehicleEF	MH	0.07	0.05
tblVehicleEF	MH	0.03	1.21
tblVehicleEF	MH	0.31	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.7800e-004	1.7543e-004
tblVehicleEF	MH	1.22	0.91
tblVehicleEF	MH	0.08	0.06
tblVehicleEF	MH	0.43	0.36
tblVehicleEF	MH	0.10	0.07
tblVehicleEF	MH	0.03	1.21
tblVehicleEF	MH	0.34	0.10
tblVehicleEF	MH	0.02	8.4109e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.01	0.90
tblVehicleEF	MH	4.87	1.75
tblVehicleEF	MH	1,048.24	1,434.96
tblVehicleEF	MH	58.51	17.51
tblVehicleEF	MH	1.17	1.27
tblVehicleEF	MH	0.76	0.23
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.0110e-003	2.2144e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2250e-003	3.2915e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	9.3000e-004	2.0360e-004

Fontana-Southridge - San Bernardino-South Coast County, Summer

tblVehicleEF	MH	2.40	1.62
tblVehicleEF	MH	0.09	0.06
tblVehicleEF	MH	1.01	0.69
tblVehicleEF	MH	0.08	0.05
tblVehicleEF	MH	0.03	1.20
tblVehicleEF	MH	0.29	0.08
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.7000e-004	1.7323e-004
tblVehicleEF	MH	2.40	1.62
tblVehicleEF	MH	0.09	0.06
tblVehicleEF	MH	1.01	0.69
tblVehicleEF	MH	0.10	0.07
tblVehicleEF	MH	0.03	1.20
tblVehicleEF	MH	0.32	0.09
tblVehicleEF	MH	0.02	8.2354e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.94	0.88
tblVehicleEF	MH	5.29	1.89
tblVehicleEF	MH	1,048.24	1,434.92
tblVehicleEF	MH	58.51	17.73
tblVehicleEF	MH	1.25	1.34
tblVehicleEF	MH	0.79	0.24
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.0110e-003	2.2144e-004
tblVehicleEF	MH	0.06	0.06

Fontana-Southridge - San Bernardino-South Coast County, Summer

tblVehicleEF	MH	3.2250e-003	3.2915e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	9.3000e-004	2.0360e-004
tblVehicleEF	MH	1.42	0.98
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.44	0.37
tblVehicleEF	MH	0.07	0.05
tblVehicleEF	MH	0.03	1.27
tblVehicleEF	MH	0.31	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.7700e-004	1.7550e-004
tblVehicleEF	MH	1.42	0.98
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.44	0.37
tblVehicleEF	MH	0.10	0.07
tblVehicleEF	MH	0.03	1.27
tblVehicleEF	MH	0.34	0.10
tblVehicleEF	MHD	0.02	2.3464e-003
tblVehicleEF	MHD	2.3730e-003	8.5842e-004
tblVehicleEF	MHD	0.04	5.5894e-003
tblVehicleEF	MHD	0.29	0.30
tblVehicleEF	MHD	0.21	0.13
tblVehicleEF	MHD	3.98	0.61
tblVehicleEF	MHD	157.13	62.39
tblVehicleEF	MHD	1,097.93	916.96
tblVehicleEF	MHD	49.45	5.69
tblVehicleEF	MHD	0.42	0.34

Fontana-Soutridge - San Bernardino-South Coast County, Summer

tblVehicleEF	MHD	0.63	1.08
tblVehicleEF	MHD	12.14	1.87
tblVehicleEF	MHD	9.1000e-005	2.4186e-004
tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	2.7720e-003	6.9222e-003
tblVehicleEF	MHD	6.6500e-004	6.5242e-005
tblVehicleEF	MHD	8.7000e-005	2.3140e-004
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	2.6480e-003	6.6197e-003
tblVehicleEF	MHD	6.1100e-004	5.9987e-005
tblVehicleEF	MHD	9.7700e-004	3.4152e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	5.2700e-004	1.9201e-004
tblVehicleEF	MHD	0.03	9.4772e-003
tblVehicleEF	MHD	0.01	0.06
tblVehicleEF	MHD	0.24	0.03
tblVehicleEF	MHD	1.5090e-003	5.9124e-004
tblVehicleEF	MHD	0.01	8.7144e-003
tblVehicleEF	MHD	5.6400e-004	5.6269e-005
tblVehicleEF	MHD	9.7700e-004	3.4152e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	5.2700e-004	1.9201e-004
tblVehicleEF	MHD	0.03	0.01

Fontana-Southridge - San Bernardino-South Coast County, Summer

tblVehicleEF	MHD	0.01	0.06
tblVehicleEF	MHD	0.27	0.03
tblVehicleEF	MHD	0.01	2.2408e-003
tblVehicleEF	MHD	2.4050e-003	8.7214e-004
tblVehicleEF	MHD	0.04	5.3707e-003
tblVehicleEF	MHD	0.21	0.27
tblVehicleEF	MHD	0.21	0.13
tblVehicleEF	MHD	3.72	0.57
tblVehicleEF	MHD	166.43	62.07
tblVehicleEF	MHD	1,097.93	916.96
tblVehicleEF	MHD	49.45	5.63
tblVehicleEF	MHD	0.44	0.33
tblVehicleEF	MHD	0.59	1.02
tblVehicleEF	MHD	12.11	1.87
tblVehicleEF	MHD	7.6000e-005	2.0687e-004
tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	2.7720e-003	6.9222e-003
tblVehicleEF	MHD	6.6500e-004	6.5242e-005
tblVehicleEF	MHD	7.3000e-005	1.9792e-004
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	2.6480e-003	6.6197e-003
tblVehicleEF	MHD	6.1100e-004	5.9987e-005
tblVehicleEF	MHD	1.9120e-003	6.2048e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.01

Fontana-Soutridge - San Bernardino-South Coast County, Summer

tblVehicleEF	MHD	1.1780e-003	3.7268e-004
tblVehicleEF	MHD	0.03	9.5352e-003
tblVehicleEF	MHD	0.01	0.06
tblVehicleEF	MHD	0.23	0.03
tblVehicleEF	MHD	1.5970e-003	5.8830e-004
tblVehicleEF	MHD	0.01	8.7144e-003
tblVehicleEF	MHD	5.6000e-004	5.5694e-005
tblVehicleEF	MHD	1.9120e-003	6.2048e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.1780e-003	3.7268e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.01	0.06
tblVehicleEF	MHD	0.25	0.03
tblVehicleEF	MHD	0.02	2.5023e-003
tblVehicleEF	MHD	2.3770e-003	8.5829e-004
tblVehicleEF	MHD	0.04	5.5470e-003
tblVehicleEF	MHD	0.41	0.35
tblVehicleEF	MHD	0.21	0.13
tblVehicleEF	MHD	3.91	0.60
tblVehicleEF	MHD	144.26	62.83
tblVehicleEF	MHD	1,097.93	916.96
tblVehicleEF	MHD	49.45	5.68
tblVehicleEF	MHD	0.40	0.36
tblVehicleEF	MHD	0.62	1.06
tblVehicleEF	MHD	12.13	1.87
tblVehicleEF	MHD	1.1000e-004	2.9018e-004

Fontana-Southridge - San Bernardino-South Coast County, Summer

tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	2.7720e-003	6.9222e-003
tblVehicleEF	MHD	6.6500e-004	6.5242e-005
tblVehicleEF	MHD	1.0600e-004	2.7763e-004
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	2.6480e-003	6.6197e-003
tblVehicleEF	MHD	6.1100e-004	5.9987e-005
tblVehicleEF	MHD	1.0160e-003	3.4130e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	5.1300e-004	1.9295e-004
tblVehicleEF	MHD	0.03	9.4794e-003
tblVehicleEF	MHD	0.01	0.07
tblVehicleEF	MHD	0.24	0.03
tblVehicleEF	MHD	1.3880e-003	5.9527e-004
tblVehicleEF	MHD	0.01	8.7144e-003
tblVehicleEF	MHD	5.6300e-004	5.6189e-005
tblVehicleEF	MHD	1.0160e-003	3.4130e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	5.1300e-004	1.9295e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.01	0.07
tblVehicleEF	MHD	0.26	0.03
tblVehicleEF	OBUS	0.01	8.6230e-003

Fontana-Southridge - San Bernardino-South Coast County, Summer

tblVehicleEF	OBUS	6.2520e-003	4.3534e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.24	0.55
tblVehicleEF	OBUS	0.41	0.53
tblVehicleEF	OBUS	5.29	2.26
tblVehicleEF	OBUS	65.82	75.75
tblVehicleEF	OBUS	1,119.44	1,336.45
tblVehicleEF	OBUS	69.89	19.37
tblVehicleEF	OBUS	0.13	0.29
tblVehicleEF	OBUS	0.44	0.98
tblVehicleEF	OBUS	1.78	0.75
tblVehicleEF	OBUS	1.1000e-005	9.7047e-005
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.0200e-003	6.6596e-003
tblVehicleEF	OBUS	9.5000e-004	2.2332e-004
tblVehicleEF	OBUS	1.1000e-005	9.2848e-005
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	1.9090e-003	6.3531e-003
tblVehicleEF	OBUS	8.7400e-004	2.0533e-004
tblVehicleEF	OBUS	1.8990e-003	2.5585e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	8.3600e-004	1.1224e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.05	0.29

Fontana-Southridge - San Bernardino-South Coast County, Summer

tblVehicleEF	OBUS	0.33	0.11
tblVehicleEF	OBUS	6.4000e-004	7.2196e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9100e-004	1.9164e-004
tblVehicleEF	OBUS	1.8990e-003	2.5585e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	8.3600e-004	1.1224e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.36	0.12
tblVehicleEF	OBUS	0.01	8.7042e-003
tblVehicleEF	OBUS	6.4110e-003	4.4593e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.24	0.55
tblVehicleEF	OBUS	0.42	0.54
tblVehicleEF	OBUS	4.85	2.11
tblVehicleEF	OBUS	68.71	74.92
tblVehicleEF	OBUS	1,119.44	1,336.47
tblVehicleEF	OBUS	69.89	19.10
tblVehicleEF	OBUS	0.13	0.27
tblVehicleEF	OBUS	0.41	0.92
tblVehicleEF	OBUS	1.74	0.74
tblVehicleEF	OBUS	1.0000e-005	8.6232e-005
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.0200e-003	6.6596e-003

Fontana-Southridge - San Bernardino-South Coast County, Summer

tblVehicleEF	OBUS	9.5000e-004	2.2332e-004
tblVehicleEF	OBUS	9.0000e-006	8.2502e-005
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	1.9090e-003	6.3531e-003
tblVehicleEF	OBUS	8.7400e-004	2.0533e-004
tblVehicleEF	OBUS	3.6770e-003	4.5914e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	1.8930e-003	2.1865e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.31	0.10
tblVehicleEF	OBUS	6.6800e-004	7.1410e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8400e-004	1.8900e-004
tblVehicleEF	OBUS	3.6770e-003	4.5914e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	1.8930e-003	2.1865e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.34	0.11
tblVehicleEF	OBUS	0.01	8.5439e-003
tblVehicleEF	OBUS	6.2690e-003	4.3567e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.25	0.56

Fontana-Southridge - San Bernardino-South Coast County, Summer

tblVehicleEF	OBUS	0.41	0.53
tblVehicleEF	OBUS	5.25	2.27
tblVehicleEF	OBUS	61.82	76.90
tblVehicleEF	OBUS	1,119.44	1,336.45
tblVehicleEF	OBUS	69.89	19.37
tblVehicleEF	OBUS	0.12	0.31
tblVehicleEF	OBUS	0.43	0.96
tblVehicleEF	OBUS	1.77	0.75
tblVehicleEF	OBUS	1.4000e-005	1.1198e-004
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.0200e-003	6.6596e-003
tblVehicleEF	OBUS	9.5000e-004	2.2332e-004
tblVehicleEF	OBUS	1.3000e-005	1.0714e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	1.9090e-003	6.3531e-003
tblVehicleEF	OBUS	8.7400e-004	2.0533e-004
tblVehicleEF	OBUS	1.9540e-003	2.6393e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	8.3000e-004	1.1621e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.33	0.11
tblVehicleEF	OBUS	6.0200e-004	7.3280e-004
tblVehicleEF	OBUS	0.01	0.01

Fontana-Southridge - San Bernardino-South Coast County, Summer

tblVehicleEF	OBUS	7.9100e-004	1.9172e-004
tblVehicleEF	OBUS	1.9540e-003	2.6393e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	8.3000e-004	1.1621e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.36	0.12
tblVehicleEF	SBUS	0.82	0.06
tblVehicleEF	SBUS	8.4750e-003	6.8820e-003
tblVehicleEF	SBUS	0.06	6.3623e-003
tblVehicleEF	SBUS	6.01	2.70
tblVehicleEF	SBUS	0.53	0.64
tblVehicleEF	SBUS	5.05	0.82
tblVehicleEF	SBUS	1,217.18	338.69
tblVehicleEF	SBUS	1,113.27	1,067.82
tblVehicleEF	SBUS	40.27	4.92
tblVehicleEF	SBUS	9.36	2.93
tblVehicleEF	SBUS	3.61	4.32
tblVehicleEF	SBUS	14.40	1.11
tblVehicleEF	SBUS	7.8830e-003	3.0962e-003
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	5.9900e-004	4.2433e-005
tblVehicleEF	SBUS	7.5420e-003	2.9622e-003
tblVehicleEF	SBUS	0.32	0.32

Fontana-Southridge - San Bernardino-South Coast County, Summer

tblVehicleEF	SBUS	2.7330e-003	2.6932e-003
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	5.5100e-004	3.9016e-005
tblVehicleEF	SBUS	3.0330e-003	1.2236e-003
tblVehicleEF	SBUS	0.02	9.5431e-003
tblVehicleEF	SBUS	0.71	0.30
tblVehicleEF	SBUS	1.4390e-003	6.3029e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	9.3710e-003	0.06
tblVehicleEF	SBUS	0.27	0.04
tblVehicleEF	SBUS	0.01	3.2296e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.9000e-004	4.8650e-005
tblVehicleEF	SBUS	3.0330e-003	1.2236e-003
tblVehicleEF	SBUS	0.02	9.5431e-003
tblVehicleEF	SBUS	1.02	0.42
tblVehicleEF	SBUS	1.4390e-003	6.3029e-004
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	9.3710e-003	0.06
tblVehicleEF	SBUS	0.29	0.04
tblVehicleEF	SBUS	0.82	0.06
tblVehicleEF	SBUS	8.6200e-003	6.9855e-003
tblVehicleEF	SBUS	0.05	5.3278e-003
tblVehicleEF	SBUS	5.89	2.67
tblVehicleEF	SBUS	0.53	0.65
tblVehicleEF	SBUS	3.46	0.59
tblVehicleEF	SBUS	1,277.69	344.56

Fontana-Southridge - San Bernardino-South Coast County, Summer

tblVehicleEF	SBUS	1,113.27	1,067.84
tblVehicleEF	SBUS	40.27	4.54
tblVehicleEF	SBUS	9.66	2.98
tblVehicleEF	SBUS	3.39	4.06
tblVehicleEF	SBUS	14.38	1.10
tblVehicleEF	SBUS	6.6460e-003	2.6187e-003
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	5.9900e-004	4.2433e-005
tblVehicleEF	SBUS	6.3580e-003	2.5054e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.7330e-003	2.6932e-003
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	5.5100e-004	3.9016e-005
tblVehicleEF	SBUS	5.7580e-003	2.1715e-003
tblVehicleEF	SBUS	0.02	9.8314e-003
tblVehicleEF	SBUS	0.71	0.30
tblVehicleEF	SBUS	3.0800e-003	1.1655e-003
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	8.5600e-003	0.05
tblVehicleEF	SBUS	0.22	0.03
tblVehicleEF	SBUS	0.01	3.2851e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6300e-004	4.4901e-005
tblVehicleEF	SBUS	5.7580e-003	2.1715e-003
tblVehicleEF	SBUS	0.02	9.8314e-003

Fontana-Soutridge - San Bernardino-South Coast County, Summer

tblVehicleEF	SBUS	1.02	0.42
tblVehicleEF	SBUS	3.0800e-003	1.1655e-003
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	8.5600e-003	0.05
tblVehicleEF	SBUS	0.24	0.03
tblVehicleEF	SBUS	0.82	0.06
tblVehicleEF	SBUS	8.4790e-003	6.8756e-003
tblVehicleEF	SBUS	0.06	6.5553e-003
tblVehicleEF	SBUS	6.17	2.74
tblVehicleEF	SBUS	0.53	0.64
tblVehicleEF	SBUS	5.10	0.86
tblVehicleEF	SBUS	1,133.61	330.58
tblVehicleEF	SBUS	1,113.27	1,067.82
tblVehicleEF	SBUS	40.27	4.98
tblVehicleEF	SBUS	8.94	2.87
tblVehicleEF	SBUS	3.56	4.26
tblVehicleEF	SBUS	14.40	1.11
tblVehicleEF	SBUS	9.5930e-003	3.7555e-003
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	5.9900e-004	4.2433e-005
tblVehicleEF	SBUS	9.1780e-003	3.5931e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.7330e-003	2.6932e-003
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	5.5100e-004	3.9016e-005

Fontana-Southridge - San Bernardino-South Coast County, Summer

tblVehicleEF	SBUS	2.9290e-003	1.1158e-003
tblVehicleEF	SBUS	0.02	9.7117e-003
tblVehicleEF	SBUS	0.71	0.30
tblVehicleEF	SBUS	1.4140e-003	6.3403e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.01	0.07
tblVehicleEF	SBUS	0.27	0.04
tblVehicleEF	SBUS	0.01	3.1530e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.9100e-004	4.9268e-005
tblVehicleEF	SBUS	2.9290e-003	1.1158e-003
tblVehicleEF	SBUS	0.02	9.7117e-003
tblVehicleEF	SBUS	1.03	0.42
tblVehicleEF	SBUS	1.4140e-003	6.3403e-004
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.01	0.07
tblVehicleEF	SBUS	0.29	0.04
tblVehicleEF	UBUS	1.54	4.47
tblVehicleEF	UBUS	0.08	8.3829e-003
tblVehicleEF	UBUS	7.71	34.91
tblVehicleEF	UBUS	12.81	0.87
tblVehicleEF	UBUS	1,799.11	1,682.63
tblVehicleEF	UBUS	140.33	11.10
tblVehicleEF	UBUS	4.15	0.36
tblVehicleEF	UBUS	13.04	0.11
tblVehicleEF	UBUS	0.51	0.07
tblVehicleEF	UBUS	0.01	0.03

Fontana-Southridge - San Bernardino-South Coast County, Summer

tblVehicleEF	UBUS	0.04	2.6995e-003
tblVehicleEF	UBUS	1.4670e-003	1.7438e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6215e-003
tblVehicleEF	UBUS	0.04	2.5683e-003
tblVehicleEF	UBUS	1.3480e-003	1.6034e-004
tblVehicleEF	UBUS	7.2070e-003	1.1590e-003
tblVehicleEF	UBUS	0.10	8.2267e-003
tblVehicleEF	UBUS	3.6150e-003	6.8882e-004
tblVehicleEF	UBUS	0.42	0.07
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.06	0.03
tblVehicleEF	UBUS	9.4600e-003	2.8401e-003
tblVehicleEF	UBUS	1.6370e-003	1.0982e-004
tblVehicleEF	UBUS	7.2070e-003	1.1590e-003
tblVehicleEF	UBUS	0.10	8.2267e-003
tblVehicleEF	UBUS	3.6150e-003	6.8882e-004
tblVehicleEF	UBUS	2.00	4.57
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.17	0.03
tblVehicleEF	UBUS	1.54	4.47
tblVehicleEF	UBUS	0.07	7.6042e-003
tblVehicleEF	UBUS	7.78	34.91
tblVehicleEF	UBUS	10.55	0.74
tblVehicleEF	UBUS	1,799.11	1,682.63
tblVehicleEF	UBUS	140.33	10.89
tblVehicleEF	UBUS	3.85	0.35

Fontana-Southridge - San Bernardino-South Coast County, Summer

tblVehicleEF	UBUS	12.93	0.11
tblVehicleEF	UBUS	0.51	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.04	2.6995e-003
tblVehicleEF	UBUS	1.4670e-003	1.7438e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6215e-003
tblVehicleEF	UBUS	0.04	2.5683e-003
tblVehicleEF	UBUS	1.3480e-003	1.6034e-004
tblVehicleEF	UBUS	0.01	2.1255e-003
tblVehicleEF	UBUS	0.12	9.7961e-003
tblVehicleEF	UBUS	8.4130e-003	1.3959e-003
tblVehicleEF	UBUS	0.43	0.07
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.95	0.03
tblVehicleEF	UBUS	9.4620e-003	2.8402e-003
tblVehicleEF	UBUS	1.5980e-003	1.0772e-004
tblVehicleEF	UBUS	0.01	2.1255e-003
tblVehicleEF	UBUS	0.12	9.7961e-003
tblVehicleEF	UBUS	8.4130e-003	1.3959e-003
tblVehicleEF	UBUS	2.01	4.57
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.04	0.03
tblVehicleEF	UBUS	1.54	4.47
tblVehicleEF	UBUS	0.08	8.4566e-003
tblVehicleEF	UBUS	7.72	34.91
tblVehicleEF	UBUS	12.41	0.89

Fontana-Southridge - San Bernardino-South Coast County, Summer

tblVehicleEF	UBUS	1,799.11	1,682.63
tblVehicleEF	UBUS	140.33	11.12
tblVehicleEF	UBUS	4.07	0.36
tblVehicleEF	UBUS	13.02	0.11
tblVehicleEF	UBUS	0.51	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.04	2.6995e-003
tblVehicleEF	UBUS	1.4670e-003	1.7438e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6215e-003
tblVehicleEF	UBUS	0.04	2.5683e-003
tblVehicleEF	UBUS	1.3480e-003	1.6034e-004
tblVehicleEF	UBUS	8.0140e-003	1.1760e-003
tblVehicleEF	UBUS	0.12	9.2548e-003
tblVehicleEF	UBUS	3.7130e-003	6.9730e-004
tblVehicleEF	UBUS	0.42	0.07
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	1.05	0.03
tblVehicleEF	UBUS	9.4600e-003	2.8401e-003
tblVehicleEF	UBUS	1.6300e-003	1.1003e-004
tblVehicleEF	UBUS	8.0140e-003	1.1760e-003
tblVehicleEF	UBUS	0.12	9.2548e-003
tblVehicleEF	UBUS	3.7130e-003	6.9730e-004
tblVehicleEF	UBUS	2.00	4.57
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	1.15	0.03
tblVehicleTrips	ST_TR	6.39	7.32

Fontana-Southridge - San Bernardino-South Coast County, Summer

tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	9.10	0.00
tblVehicleTrips	SU_TR	5.86	7.32
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	13.60	0.00
tblVehicleTrips	WD_TR	6.65	7.32
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	33.82	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.2556	60.1222	22.2650	0.1752	82.0606	1.6138	83.1028	21.9829	1.4847	22.9453	0.0000	18,330.6319	18,330.6319	1.7427	0.0000	18,374.1988
2023	5.1333	45.1466	41.5887	0.1702	20.4063	1.9811	22.3873	10.5569	1.8373	12.3943	0.0000	17,804.1179	17,804.1179	1.9017	0.0000	17,844.4456
2024	35.9943	33.6735	37.4665	0.0849	8.9172	1.3527	10.2699	3.9937	1.2572	5.2509	0.0000	8,304.7629	8,304.7629	1.6300	0.0000	8,345.5140
2025	34.1856	15.5805	21.7004	0.0530	2.1388	0.5413	2.6801	0.5729	0.5090	1.0819	0.0000	5,212.9253	5,212.9253	0.6900	0.0000	5,230.1761
Maximum	35.9943	60.1222	41.5887	0.1752	82.0606	1.9811	83.1028	21.9829	1.8373	22.9453	0.0000	18,330.6319	18,330.6319	1.9017	0.0000	18,374.1988

Fontana-Soutridge - San Bernardino-South Coast County, Summer

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	44.3804	3.3633	91.6117	0.2018		11.9111	11.9111		11.9111	11.9111	1,451.8724	2,813.0484	4,264.9207	4.3519	0.0985	4,403.0833
Energy	0.0678	0.5790	0.2464	3.7000e-003		0.0468	0.0468		0.0468	0.0468		739.1080	739.1080	0.0142	0.0136	743.5001
Mobile	2.6194	7.3403	26.8867	0.0890	8.2516	0.0711	8.3227	2.2050	0.0668	2.2718		9,295.2465	9,295.2465	0.5465		9,308.9093
Total	47.0676	11.2826	118.7448	0.2944	8.2516	12.0291	20.2807	2.2050	12.0248	14.2298	1,451.8724	12,847.4028	14,299.2752	4.9126	0.1121	14,455.4927

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	3.7648	0.1473	12.7862	6.8000e-004		0.0709	0.0709		0.0709	0.0709	0.0000	23.0484	23.0484	0.0221	0.0000	23.6011
Energy	0.0465	0.3972	0.1690	2.5400e-003		0.0321	0.0321		0.0321	0.0321		507.0470	507.0470	9.7200e-003	9.3000e-003	510.0601
Mobile	2.6194	7.3403	26.8867	0.0890	8.2516	0.0711	8.3227	2.2050	0.0668	2.2718		9,295.2465	9,295.2465	0.5465		9,308.9093
Total	6.4307	7.8848	39.8419	0.0922	8.2516	0.1742	8.4258	2.2050	0.1699	2.3749	0.0000	9,825.3419	9,825.3419	0.5783	9.3000e-003	9,842.5705

Fontana-Southridge - San Bernardino-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	86.34	30.12	66.45	68.69	0.00	98.55	58.45	0.00	98.59	83.31	100.00	23.52	31.29	88.23	91.70	31.91

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	12/1/2022	12/28/2022	5	20	Phase 1
2	Grading	Grading	12/29/2022	3/22/2023	5	60	Phase 1
3	Building Construction	Building Construction	3/23/2023	2/7/2024	5	230	Phase 1
4	Site Preparation Phase 2	Site Preparation	12/1/2023	12/28/2023	5	20	Phase 2
5	Grading Phase 2	Grading	12/29/2023	3/21/2024	5	60	Phase 2
6	Paving	Paving	2/8/2024	3/20/2024	5	30	Phase 1
7	Architectural Coating	Architectural Coating	2/8/2024	3/20/2024	5	30	Phase 1
8	Construction Phase 2	Building Construction	3/23/2024	2/7/2025	5	230	Phase 2
9	Paving Phase 2	Paving	2/8/2025	3/21/2025	5	30	Phase 2
10	Architectural Coating Phase 2	Architectural Coating	2/8/2025	3/21/2025	5	30	Phase 2

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 30

Acres of Paving: 2.34

Residential Indoor: 313,875; Residential Outdoor: 104,625; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 6,115 (Architectural Coating – sqft)

OffRoad Equipment

Fontana-Southridge - San Bernardino-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation Phase 2	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation Phase 2	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading Phase 2	Excavators	1	8.00	158	0.38
Grading Phase 2	Graders	1	8.00	187	0.41
Grading Phase 2	Rubber Tired Dozers	1	8.00	247	0.40
Grading Phase 2	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction Phase 2	Cranes	1	7.00	231	0.29
Construction Phase 2	Forklifts	3	8.00	89	0.20
Construction Phase 2	Generator Sets	1	8.00	84	0.74
Construction Phase 2	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction Phase 2	Welders	1	8.00	46	0.45
Paving Phase 2	Cement and Mortar Mixers	2	6.00	9	0.56
Paving Phase 2	Pavers	1	8.00	130	0.42
Paving Phase 2	Paving Equipment	2	6.00	132	0.36
Paving Phase 2	Rollers	2	6.00	80	0.38
Paving Phase 2	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating Phase 2	Air Compressors	1	6.00	78	0.48
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
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

Fontana-Soutridge - San Bernardino-South Coast County, Summer

Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
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
Site Preparation Phase 2	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading Phase 2	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction Phase 2	9	169.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving Phase 2	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating Phase 2	1	34.00	0.00	0.00	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	11,250.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	169.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	34.00	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

Clean Paved Roads

Fontana-Southridge - San Bernardino-South Coast County, Summer

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			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	18.0663	1.6126	19.6788	9.9307	1.4836	11.4143		3,686.0619	3,686.0619	1.1922		3,715.8655

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0854	0.0508	0.6846	1.9100e-003	0.2012	1.2500e-003	0.2025	0.0534	1.1500e-003	0.0545		189.8284	189.8284	5.0300e-003		189.9541
Total	0.0854	0.0508	0.6846	1.9100e-003	0.2012	1.2500e-003	0.2025	0.0534	1.1500e-003	0.0545		189.8284	189.8284	5.0300e-003		189.9541

Fontana-Southridge - San Bernardino-South Coast County, Summer

3.2 Site Preparation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			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	7.0458	1.6126	8.6584	3.8730	1.4836	5.3565	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0854	0.0508	0.6846	1.9100e-003	0.1855	1.2500e-003	0.1867	0.0495	1.1500e-003	0.0506		189.8284	189.8284	5.0300e-003		189.9541
Total	0.0854	0.0508	0.6846	1.9100e-003	0.1855	1.2500e-003	0.1867	0.0495	1.1500e-003	0.0506		189.8284	189.8284	5.0300e-003		189.9541

Fontana-Southridge - San Bernardino-South Coast County, Summer

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.7220	0.0000	6.7220	3.3932	0.0000	3.3932			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	6.7220	0.9409	7.6628	3.3932	0.8656	4.2588		2,872.0464	2,872.0464	0.9289		2,895.2684

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0532	39.2247	6.4218	0.1440	75.1710	0.1002	75.2712	18.5453	0.0959	18.6412		15,300.3952	15,300.3952	0.8096		15,320.6354
Vendor	0.0000	0.0000	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	0.0712	0.0424	0.5705	1.5900e-003	0.1677	1.0400e-003	0.1687	0.0445	9.6000e-004	0.0454		158.1904	158.1904	4.1900e-003		158.2951
Total	1.1244	39.2671	6.9923	0.1456	75.3387	0.1013	75.4399	18.5897	0.0969	18.6866		15,458.5855	15,458.5855	0.8138		15,478.9305

Fontana-Southridge - San Bernardino-South Coast County, Summer

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6216	0.0000	2.6216	1.3233	0.0000	1.3233			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	2.6216	0.9409	3.5624	1.3233	0.8656	2.1889	0.0000	2,872.0464	2,872.0464	0.9289		2,895.2684

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0532	39.2247	6.4218	0.1440	68.4778	0.1002	68.5780	16.9024	0.0959	16.9983		15,300.3952	15,300.3952	0.8096		15,320.6354
Vendor	0.0000	0.0000	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	0.0712	0.0424	0.5705	1.5900e-003	0.1546	1.0400e-003	0.1556	0.0413	9.6000e-004	0.0422		158.1904	158.1904	4.1900e-003		158.2951
Total	1.1244	39.2671	6.9923	0.1456	68.6324	0.1013	68.7336	16.9436	0.0969	17.0405		15,458.5855	15,458.5855	0.8138		15,478.9305

Fontana-Soutridge - San Bernardino-South Coast County, Summer

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.7220	0.0000	6.7220	3.3932	0.0000	3.3932			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129		2,872.6910	2,872.6910	0.9291		2,895.9182
Total	1.7109	17.9359	14.7507	0.0297	6.7220	0.7749	7.4969	3.3932	0.7129	4.1061		2,872.6910	2,872.6910	0.9291		2,895.9182

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7177	26.3084	5.6203	0.1390	3.3665	0.0461	3.4127	0.9205	0.0441	0.9646		14,779.1843	14,779.1843	0.6803		14,796.1911
Vendor	0.0000	0.0000	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	0.0666	0.0381	0.5238	1.5300e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		152.2425	152.2425	3.7500e-003		152.3363
Total	0.7843	26.3466	6.1441	0.1405	3.5342	0.0471	3.5814	0.9650	0.0451	1.0100		14,931.4269	14,931.4269	0.6840		14,948.5274

Fontana-Southridge - San Bernardino-South Coast County, Summer

3.3 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6216	0.0000	2.6216	1.3233	0.0000	1.3233			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182
Total	1.7109	17.9359	14.7507	0.0297	2.6216	0.7749	3.3965	1.3233	0.7129	2.0363	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7177	26.3084	5.6203	0.1390	3.1357	0.0461	3.1819	0.8639	0.0441	0.9080		14,779.1843	14,779.1843	0.6803		14,796.1911
Vendor	0.0000	0.0000	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	0.0666	0.0381	0.5238	1.5300e-003	0.1546	1.0100e-003	0.1556	0.0413	9.3000e-004	0.0422		152.2425	152.2425	3.7500e-003		152.3363
Total	0.7843	26.3466	6.1441	0.1405	3.2903	0.0471	3.3374	0.9051	0.0451	0.9502		14,931.4269	14,931.4269	0.6840		14,948.5274

Fontana-Soutridge - San Bernardino-South Coast County, Summer

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0710	2.7620	0.5702	0.0101	0.2498	2.6700e-003	0.2524	0.0719	2.5500e-003	0.0745		1,070.4310	1,070.4310	0.0545		1,071.7944
Worker	0.7502	0.4298	5.9016	0.0172	1.8890	0.0114	1.9004	0.5010	0.0105	0.5115		1,715.2658	1,715.2658	0.0423		1,716.3223
Total	0.8212	3.1917	6.4718	0.0274	2.1388	0.0141	2.1529	0.5729	0.0131	0.5860		2,785.6968	2,785.6968	0.0968		2,788.1167

Fontana-Soutridge - San Bernardino-South Coast County, Summer

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0710	2.7620	0.5702	0.0101	0.2338	2.6700e-003	0.2364	0.0680	2.5500e-003	0.0705		1,070.4310	1,070.4310	0.0545		1,071.7944
Worker	0.7502	0.4298	5.9016	0.0172	1.7412	0.0114	1.7526	0.4647	0.0105	0.4752		1,715.2658	1,715.2658	0.0423		1,716.3223
Total	0.8212	3.1917	6.4718	0.0274	1.9750	0.0141	1.9891	0.5327	0.0131	0.5457		2,785.6968	2,785.6968	0.0968		2,788.1167

Fontana-Soutridge - San Bernardino-South Coast County, Summer

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0700	2.7748	0.5484	0.0101	0.2498	2.6600e-003	0.2524	0.0719	2.5400e-003	0.0745		1,069.0640	1,069.0640	0.0545		1,070.4263
Worker	0.7059	0.3894	5.5034	0.0167	1.8890	0.0113	1.9003	0.5010	0.0104	0.5114		1,659.6405	1,659.6405	0.0386		1,660.6049
Total	0.7759	3.1642	6.0519	0.0268	2.1388	0.0140	2.1528	0.5729	0.0130	0.5858		2,728.7045	2,728.7045	0.0931		2,731.0312

Fontana-Soutridge - San Bernardino-South Coast County, Summer

3.4 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0700	2.7748	0.5484	0.0101	0.2338	2.6600e-003	0.2364	0.0680	2.5400e-003	0.0705		1,069.0640	1,069.0640	0.0545		1,070.4263
Worker	0.7059	0.3894	5.5034	0.0167	1.7412	0.0113	1.7525	0.4647	0.0104	0.4751		1,659.6405	1,659.6405	0.0386		1,660.6049
Total	0.7759	3.1642	6.0519	0.0268	1.9750	0.0140	1.9889	0.5327	0.0130	0.5456		2,728.7045	2,728.7045	0.0931		2,731.0312

Fontana-Southridge - San Bernardino-South Coast County, Summer

3.5 Site Preparation Phase 2 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.3081	3,687.3081	1.1926		3,717.1219
Total	2.6595	27.5242	18.2443	0.0381	18.0663	1.2660	19.3323	9.9307	1.1647	11.0954		3,687.3081	3,687.3081	1.1926		3,717.1219

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0799	0.0458	0.6286	1.8300e-003	0.2012	1.2200e-003	0.2024	0.0534	1.1200e-003	0.0545		182.6910	182.6910	4.5000e-003		182.8036
Total	0.0799	0.0458	0.6286	1.8300e-003	0.2012	1.2200e-003	0.2024	0.0534	1.1200e-003	0.0545		182.6910	182.6910	4.5000e-003		182.8036

Fontana-Soutridge - San Bernardino-South Coast County, Summer

3.5 Site Preparation Phase 2 - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	7.0458	1.2660	8.3119	3.8730	1.1647	5.0377	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0799	0.0458	0.6286	1.8300e-003	0.1855	1.2200e-003	0.1867	0.0495	1.1200e-003	0.0506		182.6910	182.6910	4.5000e-003		182.8036
Total	0.0799	0.0458	0.6286	1.8300e-003	0.1855	1.2200e-003	0.1867	0.0495	1.1200e-003	0.0506		182.6910	182.6910	4.5000e-003		182.8036

Fontana-Southridge - San Bernardino-South Coast County, Summer

3.6 Grading Phase 2 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.6108	0.0000	6.6108	3.3763	0.0000	3.3763			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129		2,872.6910	2,872.6910	0.9291		2,895.9182
Total	1.7109	17.9359	14.7507	0.0297	6.6108	0.7749	7.3857	3.3763	0.7129	4.0893		2,872.6910	2,872.6910	0.9291		2,895.9182

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0666	0.0381	0.5238	1.5300e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		152.2425	152.2425	3.7500e-003		152.3363
Total	0.0666	0.0381	0.5238	1.5300e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		152.2425	152.2425	3.7500e-003		152.3363

Fontana-Southridge - San Bernardino-South Coast County, Summer

3.6 Grading Phase 2 - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5782	0.0000	2.5782	1.3168	0.0000	1.3168			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182
Total	1.7109	17.9359	14.7507	0.0297	2.5782	0.7749	3.3531	1.3168	0.7129	2.0297	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0666	0.0381	0.5238	1.5300e-003	0.1546	1.0100e-003	0.1556	0.0413	9.3000e-004	0.0422		152.2425	152.2425	3.7500e-003		152.3363
Total	0.0666	0.0381	0.5238	1.5300e-003	0.1546	1.0100e-003	0.1556	0.0413	9.3000e-004	0.0422		152.2425	152.2425	3.7500e-003		152.3363

Fontana-Southridge - San Bernardino-South Coast County, Summer

3.6 Grading Phase 2 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.6108	0.0000	6.6108	3.3763	0.0000	3.3763			0.0000			0.0000
Off-Road	1.6617	17.0310	14.7594	0.0297		0.7244	0.7244		0.6665	0.6665		2,873.054 1	2,873.054 1	0.9292		2,896.284 2
Total	1.6617	17.0310	14.7594	0.0297	6.6108	0.7244	7.3352	3.3763	0.6665	4.0428		2,873.054 1	2,873.054 1	0.9292		2,896.284 2

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0627	0.0346	0.4885	1.4800e-003	0.1677	1.0000e-003	0.1687	0.0445	9.2000e-004	0.0454		147.3054	147.3054	3.4200e-003		147.3910
Total	0.0627	0.0346	0.4885	1.4800e-003	0.1677	1.0000e-003	0.1687	0.0445	9.2000e-004	0.0454		147.3054	147.3054	3.4200e-003		147.3910

Fontana-Southridge - San Bernardino-South Coast County, Summer

3.6 Grading Phase 2 - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5782	0.0000	2.5782	1.3168	0.0000	1.3168			0.0000			0.0000
Off-Road	1.6617	17.0310	14.7594	0.0297		0.7244	0.7244		0.6665	0.6665	0.0000	2,873.054 1	2,873.054 1	0.9292		2,896.284 2
Total	1.6617	17.0310	14.7594	0.0297	2.5782	0.7244	3.3026	1.3168	0.6665	1.9832	0.0000	2,873.054 1	2,873.054 1	0.9292		2,896.284 2

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0627	0.0346	0.4885	1.4800e-003	0.1546	1.0000e-003	0.1556	0.0413	9.2000e-004	0.0422		147.3054	147.3054	3.4200e-003		147.3910
Total	0.0627	0.0346	0.4885	1.4800e-003	0.1546	1.0000e-003	0.1556	0.0413	9.2000e-004	0.0422		147.3054	147.3054	3.4200e-003		147.3910

Fontana-Soutridge - San Bernardino-South Coast County, Summer

3.7 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.1808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0622	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673		1,819.8039

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0835	0.0461	0.6513	1.9700e-003	0.2236	1.3400e-003	0.2249	0.0593	1.2300e-003	0.0605		196.4072	196.4072	4.5600e-003		196.5213
Total	0.0835	0.0461	0.6513	1.9700e-003	0.2236	1.3400e-003	0.2249	0.0593	1.2300e-003	0.0605		196.4072	196.4072	4.5600e-003		196.5213

Fontana-Soutridge - San Bernardino-South Coast County, Summer

3.7 Paving - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.1808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0622	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0835	0.0461	0.6513	1.9700e-003	0.2061	1.3400e-003	0.2074	0.0550	1.2300e-003	0.0562		196.4072	196.4072	4.5600e-003		196.5213
Total	0.0835	0.0461	0.6513	1.9700e-003	0.2061	1.3400e-003	0.2074	0.0550	1.2300e-003	0.0562		196.4072	196.4072	4.5600e-003		196.5213

Fontana-Southridge - San Bernardino-South Coast County, Summer

3.8 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	32.8015					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	32.9823	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.1420	0.0784	1.1072	3.3500e-003	0.3800	2.2700e-003	0.3823	0.1008	2.0900e-003	0.1029		333.8922	333.8922	7.7600e-003		334.0862
Total	0.1420	0.0784	1.1072	3.3500e-003	0.3800	2.2700e-003	0.3823	0.1008	2.0900e-003	0.1029		333.8922	333.8922	7.7600e-003		334.0862

Fontana-Southridge - San Bernardino-South Coast County, Summer

3.8 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	32.8015					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	32.9823	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.1420	0.0784	1.1072	3.3500e-003	0.3503	2.2700e-003	0.3526	0.0935	2.0900e-003	0.0956		333.8922	333.8922	7.7600e-003		334.0862
Total	0.1420	0.0784	1.1072	3.3500e-003	0.3503	2.2700e-003	0.3526	0.0935	2.0900e-003	0.0956		333.8922	333.8922	7.7600e-003		334.0862

Fontana-Soutridge - San Bernardino-South Coast County, Summer

3.9 Construction Phase 2 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0700	2.7748	0.5484	0.0101	0.2498	2.6600e-003	0.2524	0.0719	2.5400e-003	0.0745		1,069.0640	1,069.0640	0.0545		1,070.4263
Worker	0.7059	0.3894	5.5034	0.0167	1.8890	0.0113	1.9003	0.5010	0.0104	0.5114		1,659.6405	1,659.6405	0.0386		1,660.6049
Total	0.7759	3.1642	6.0519	0.0268	2.1388	0.0140	2.1528	0.5729	0.0130	0.5858		2,728.7045	2,728.7045	0.0931		2,731.0312

Fontana-Soutridge - San Bernardino-South Coast County, Summer

3.9 Construction Phase 2 - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0700	2.7748	0.5484	0.0101	0.2338	2.6600e-003	0.2364	0.0680	2.5400e-003	0.0705		1,069.0640	1,069.0640	0.0545		1,070.4263
Worker	0.7059	0.3894	5.5034	0.0167	1.7412	0.0113	1.7525	0.4647	0.0104	0.4751		1,659.6405	1,659.6405	0.0386		1,660.6049
Total	0.7759	3.1642	6.0519	0.0268	1.9750	0.0140	1.9889	0.5327	0.0130	0.5456		2,728.7045	2,728.7045	0.0931		2,731.0312

Fontana-Southridge - San Bernardino-South Coast County, Summer

3.9 Construction Phase 2 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0682	2.7568	0.5263	0.0101	0.2498	2.6200e-003	0.2524	0.0719	2.5100e-003	0.0744		1,062.802 1	1,062.802 1	0.0542		1,064.157 4
Worker	0.6658	0.3540	5.0895	0.0160	1.8890	0.0111	1.9001	0.5010	0.0102	0.5112		1,593.648 8	1,593.648 8	0.0349		1,594.520 6
Total	0.7340	3.1108	5.6158	0.0261	2.1388	0.0137	2.1525	0.5729	0.0127	0.5856		2,656.451 0	2,656.451 0	0.0891		2,658.678 0

Fontana-Soutridge - San Bernardino-South Coast County, Summer

3.9 Construction Phase 2 - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0682	2.7568	0.5263	0.0101	0.2338	2.6200e-003	0.2364	0.0680	2.5100e-003	0.0705		1,062.802 1	1,062.802 1	0.0542		1,064.157 4
Worker	0.6658	0.3540	5.0895	0.0160	1.7412	0.0111	1.7523	0.4647	0.0102	0.4749		1,593.648 8	1,593.648 8	0.0349		1,594.520 6
Total	0.7340	3.1108	5.6158	0.0261	1.9750	0.0137	1.9887	0.5327	0.0127	0.5454		2,656.451 0	2,656.451 0	0.0891		2,658.678 0

Fontana-Southridge - San Bernardino-South Coast County, Summer

3.10 Paving Phase 2 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.1808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0005	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0788	0.0419	0.6023	1.8900e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		188.5975	188.5975	4.1300e-003		188.7007
Total	0.0788	0.0419	0.6023	1.8900e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		188.5975	188.5975	4.1300e-003		188.7007

Fontana-Southridge - San Bernardino-South Coast County, Summer

3.10 Paving Phase 2 - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.1808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0005	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0788	0.0419	0.6023	1.8900e-003	0.2061	1.3100e-003	0.2074	0.0550	1.2100e-003	0.0562		188.5975	188.5975	4.1300e-003		188.7007
Total	0.0788	0.0419	0.6023	1.8900e-003	0.2061	1.3100e-003	0.2074	0.0550	1.2100e-003	0.0562		188.5975	188.5975	4.1300e-003		188.7007

Fontana-Southridge - San Bernardino-South Coast County, Summer

3.11 Architectural Coating Phase 2 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	32.8015					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	32.9724	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.1340	0.0712	1.0239	3.2200e-003	0.3800	2.2300e-003	0.3823	0.1008	2.0500e-003	0.1028		320.6157	320.6157	7.0200e-003		320.7911
Total	0.1340	0.0712	1.0239	3.2200e-003	0.3800	2.2300e-003	0.3823	0.1008	2.0500e-003	0.1028		320.6157	320.6157	7.0200e-003		320.7911

Fontana-Southridge - San Bernardino-South Coast County, Summer

3.11 Architectural Coating Phase 2 - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	32.8015					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	32.9724	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.1340	0.0712	1.0239	3.2200e-003	0.3503	2.2300e-003	0.3525	0.0935	2.0500e-003	0.0955		320.6157	320.6157	7.0200e-003		320.7911
Total	0.1340	0.0712	1.0239	3.2200e-003	0.3503	2.2300e-003	0.3525	0.0935	2.0500e-003	0.0955		320.6157	320.6157	7.0200e-003		320.7911

4.0 Operational Detail - Mobile

Fontana-Soutridge - San Bernardino-South Coast County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.6194	7.3403	26.8867	0.0890	8.2516	0.0711	8.3227	2.2050	0.0668	2.2718		9,295.2465	9,295.2465	0.5465		9,308.9093
Unmitigated	2.6194	7.3403	26.8867	0.0890	8.2516	0.0711	8.3227	2.2050	0.0668	2.2718		9,295.2465	9,295.2465	0.5465		9,308.9093

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,135.00	1,135.00	1135.00	3,878,467	3,878,467
City Park	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Recreational Swimming Pool	0.00	0.00	0.00		
Total	1,135.00	1,135.00	1,135.00	3,878,467	3,878,467

4.3 Trip Type Information

Fontana-Soutridge - San Bernardino-South Coast County, Summer

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Recreational Swimming Pool	16.60	8.40	6.90	33.00	48.00	19.00	52	39	9

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784
City Park	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784
Other Non-Asphalt Surfaces	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784
Parking Lot	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784
Recreational Swimming Pool	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Fontana-Soutridge - San Bernardino-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0465	0.3972	0.1690	2.5400e-003		0.0321	0.0321		0.0321	0.0321		507.0470	507.0470	9.7200e-003	9.3000e-003	510.0601
NaturalGas Unmitigated	0.0678	0.5790	0.2464	3.7000e-003		0.0468	0.0468		0.0468	0.0468		739.1080	739.1080	0.0142	0.0136	743.5001

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	6282.42	0.0678	0.5790	0.2464	3.7000e-003		0.0468	0.0468		0.0468	0.0468		739.1080	739.1080	0.0142	0.0136	743.5001
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
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0678	0.5790	0.2464	3.7000e-003		0.0468	0.0468		0.0468	0.0468		739.1080	739.1080	0.0142	0.0136	743.5001

Fontana-Southridge - San Bernardino-South Coast County, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	4.3099	0.0465	0.3972	0.1690	2.5400e-003		0.0321	0.0321		0.0321	0.0321		507.0470	507.0470	9.7200e-003	9.3000e-003	510.0601
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
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0465	0.3972	0.1690	2.5400e-003		0.0321	0.0321		0.0321	0.0321		507.0470	507.0470	9.7200e-003	9.3000e-003	510.0601

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

No Hearths Installed

Fontana-Soutridge - San Bernardino-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.7648	0.1473	12.7862	6.8000e-004		0.0709	0.0709		0.0709	0.0709	0.0000	23.0484	23.0484	0.0221	0.0000	23.6011
Unmitigated	44.3804	3.3633	91.6117	0.2018		11.9111	11.9111		11.9111	11.9111	1,451.8724	2,813.0484	4,264.9207	4.3519	0.0985	4,403.0833

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	0.2735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.1068					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	40.6156	3.2160	78.8255	0.2011		11.8402	11.8402		11.8402	11.8402	1,451.8724	2,790.0000	4,241.8724	4.3298	0.0985	4,379.4822
Landscaping	0.3846	0.1473	12.7862	6.8000e-004		0.0709	0.0709		0.0709	0.0709		23.0484	23.0484	0.0221		23.6011
Total	44.3804	3.3633	91.6117	0.2018		11.9111	11.9111		11.9111	11.9111	1,451.8724	2,813.0484	4,264.9207	4.3519	0.0985	4,403.0833

Fontana-Soutridge - San Bernardino-South Coast County, Summer

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	0.2735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.1068					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.3846	0.1473	12.7862	6.8000e-004		0.0709	0.0709		0.0709	0.0709		23.0484	23.0484	0.0221		23.6011
Total	3.7648	0.1473	12.7862	6.8000e-004		0.0709	0.0709		0.0709	0.0709	0.0000	23.0484	23.0484	0.0221	0.0000	23.6011

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

Fontana-Southridge - San Bernardino-South Coast County, Summer

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
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Boilers

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

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

Fontana-Southridge - San Bernardino-South Coast County, Winter

Fontana-Southridge
San Bernardino-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	11.94	1000sqft	0.27	11,939.00	0
Parking Lot	89.98	1000sqft	2.07	89,981.00	0
City Park	0.75	Acre	0.75	32,670.00	0
Recreational Swimming Pool	1.40	1000sqft	0.03	1,395.00	0
Apartments Mid Rise	155.00	Dwelling Unit	1.70	155,000.00	443

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	510.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Fontana-Southridge - San Bernardino-South Coast County, Winter

Project Characteristics - SCE - Adjusted per the SCE 2018 Corporate Responsibility and Sustainability Report. The report provides intensity factor of CO2e, the

CO2 intensity factor is calculated as $513-25 \times 0.029-298 \times 0.00617=510.44$ to avoid double counting.

Land Use - building footprint: 72,702 (1.7 acres) 155 DU, 11,939 other paving, 1,395 pool, parking =89,981 (includes parking spaces and drive aisles), landscape shown as city park - 32,861 (0.75 acre)

Construction Phase - assumed schedule based on construction questionnaire

Trips and VMT -

Grading - import 121,000 cy of soil total

Architectural Coating - Low VOC, Rule 1113

Vehicle Trips - Trip rate based on TIA, $1135/155 = 7.3225806451612903225806451612903$

Vehicle Emission Factors - EMFAC 2017 - San Bernardino(SC) 2025 with SAFE Rule

Vehicle Emission Factors - EMFAC 2017 - San Bernardino(SC) 2025 with SAFE Rule

Vehicle Emission Factors - EMFAC 2017 - San Bernardino(SC) 2025 with SAFE Rule

Area Coating -

Energy Use -

Construction Off-road Equipment Mitigation - Rule 403

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation - When rooftop solar electricity generation is factored in, homes built under the 2019 standards will use about 53 percent less energy than those under the 2016 standards.

Water Mitigation - low flow fixtures - consistent with current building code

Waste Mitigation - AB 939 - divert at least 50% of solid waste from landfills

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	18.00	30.00
tblConstructionPhase	NumDays	18.00	30.00
tblConstructionPhase	NumDays	8.00	60.00
tblConstructionPhase	NumDays	8.00	60.00
tblConstructionPhase	NumDays	18.00	30.00
tblConstructionPhase	NumDays	18.00	30.00
tblConstructionPhase	NumDays	5.00	20.00
tblConstructionPhase	NumDays	5.00	20.00
tblGrading	MaterialImported	0.00	90,000.00
tblGrading	MaterialImported	0.00	31,000.00
tblLandUse	LandUseSquareFeet	11,940.00	11,939.00
tblLandUse	LandUseSquareFeet	89,980.00	89,981.00
tblLandUse	LandUseSquareFeet	1,400.00	1,395.00
tblLandUse	LotAcreage	4.08	1.70
tblProjectCharacteristics	CO2IntensityFactor	702.44	510.44
tblTripsAndVMT	HaulingTripNumber	3,875.00	0.00
tblVehicleEF	HHD	0.92	0.03
tblVehicleEF	HHD	0.04	0.12
tblVehicleEF	HHD	0.07	1.7939e-007
tblVehicleEF	HHD	2.19	6.38
tblVehicleEF	HHD	0.53	0.55
tblVehicleEF	HHD	1.62	3.2689e-003
tblVehicleEF	HHD	6,474.46	1,042.85
tblVehicleEF	HHD	1,422.33	1,361.14
tblVehicleEF	HHD	5.17	0.03
tblVehicleEF	HHD	18.43	5.42

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	HHD	1.24	2.57
tblVehicleEF	HHD	20.22	2.41
tblVehicleEF	HHD	4.8440e-003	2.6799e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	5.2540e-003	0.02
tblVehicleEF	HHD	4.6000e-005	5.3631e-007
tblVehicleEF	HHD	4.6350e-003	2.5640e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8780e-003	8.8272e-003
tblVehicleEF	HHD	5.0260e-003	0.02
tblVehicleEF	HHD	4.2000e-005	4.9311e-007
tblVehicleEF	HHD	6.8000e-005	2.6738e-006
tblVehicleEF	HHD	2.5340e-003	8.5760e-005
tblVehicleEF	HHD	0.58	0.43
tblVehicleEF	HHD	4.2000e-005	1.5920e-006
tblVehicleEF	HHD	0.06	0.03
tblVehicleEF	HHD	1.6400e-004	4.2403e-004
tblVehicleEF	HHD	0.04	9.4154e-007
tblVehicleEF	HHD	0.06	9.5775e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	7.8000e-005	2.6552e-007
tblVehicleEF	HHD	6.8000e-005	2.6738e-006
tblVehicleEF	HHD	2.5340e-003	8.5760e-005
tblVehicleEF	HHD	0.67	0.49
tblVehicleEF	HHD	4.2000e-005	1.5920e-006
tblVehicleEF	HHD	0.10	0.15

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	HHD	1.6400e-004	4.2403e-004
tblVehicleEF	HHD	0.04	1.0309e-006
tblVehicleEF	HHD	0.87	0.03
tblVehicleEF	HHD	0.04	0.12
tblVehicleEF	HHD	0.07	1.7114e-007
tblVehicleEF	HHD	1.59	6.29
tblVehicleEF	HHD	0.53	0.55
tblVehicleEF	HHD	1.51	3.0862e-003
tblVehicleEF	HHD	6,859.11	1,030.98
tblVehicleEF	HHD	1,422.33	1,361.14
tblVehicleEF	HHD	5.17	0.03
tblVehicleEF	HHD	19.03	5.17
tblVehicleEF	HHD	1.17	2.42
tblVehicleEF	HHD	20.21	2.41
tblVehicleEF	HHD	4.0840e-003	2.3431e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	5.2540e-003	0.02
tblVehicleEF	HHD	4.6000e-005	5.3631e-007
tblVehicleEF	HHD	3.9070e-003	2.2417e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8780e-003	8.8272e-003
tblVehicleEF	HHD	5.0260e-003	0.02
tblVehicleEF	HHD	4.2000e-005	4.9311e-007
tblVehicleEF	HHD	1.3100e-004	5.2195e-006
tblVehicleEF	HHD	2.8230e-003	9.7400e-005
tblVehicleEF	HHD	0.55	0.45

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	HHD	9.1000e-005	3.4864e-006
tblVehicleEF	HHD	0.06	0.03
tblVehicleEF	HHD	1.6500e-004	4.3454e-004
tblVehicleEF	HHD	0.04	9.0093e-007
tblVehicleEF	HHD	0.06	9.4647e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	7.7000e-005	2.6266e-007
tblVehicleEF	HHD	1.3100e-004	5.2195e-006
tblVehicleEF	HHD	2.8230e-003	9.7400e-005
tblVehicleEF	HHD	0.63	0.52
tblVehicleEF	HHD	9.1000e-005	3.4864e-006
tblVehicleEF	HHD	0.10	0.15
tblVehicleEF	HHD	1.6500e-004	4.3454e-004
tblVehicleEF	HHD	0.04	9.8640e-007
tblVehicleEF	HHD	1.00	0.03
tblVehicleEF	HHD	0.04	0.12
tblVehicleEF	HHD	0.07	1.7837e-007
tblVehicleEF	HHD	3.02	6.51
tblVehicleEF	HHD	0.53	0.55
tblVehicleEF	HHD	1.59	3.2433e-003
tblVehicleEF	HHD	5,943.27	1,059.23
tblVehicleEF	HHD	1,422.33	1,361.14
tblVehicleEF	HHD	5.17	0.03
tblVehicleEF	HHD	17.62	5.75
tblVehicleEF	HHD	1.22	2.53
tblVehicleEF	HHD	20.22	2.41
tblVehicleEF	HHD	5.8940e-003	3.1450e-003

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	5.2540e-003	0.02
tblVehicleEF	HHD	4.6000e-005	5.3631e-007
tblVehicleEF	HHD	5.6390e-003	3.0090e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8780e-003	8.8272e-003
tblVehicleEF	HHD	5.0260e-003	0.02
tblVehicleEF	HHD	4.2000e-005	4.9311e-007
tblVehicleEF	HHD	6.5000e-005	2.8139e-006
tblVehicleEF	HHD	2.7100e-003	9.9200e-005
tblVehicleEF	HHD	0.63	0.39
tblVehicleEF	HHD	4.1000e-005	1.6854e-006
tblVehicleEF	HHD	0.06	0.03
tblVehicleEF	HHD	1.7700e-004	4.4608e-004
tblVehicleEF	HHD	0.04	9.3631e-007
tblVehicleEF	HHD	0.06	9.7333e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	7.8000e-005	2.6512e-007
tblVehicleEF	HHD	6.5000e-005	2.8139e-006
tblVehicleEF	HHD	2.7100e-003	9.9200e-005
tblVehicleEF	HHD	0.72	0.45
tblVehicleEF	HHD	4.1000e-005	1.6854e-006
tblVehicleEF	HHD	0.10	0.15
tblVehicleEF	HHD	1.7700e-004	4.4608e-004
tblVehicleEF	HHD	0.04	1.0251e-006
tblVehicleEF	LDA	3.1880e-003	1.7956e-003

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	LDA	3.8220e-003	0.04
tblVehicleEF	LDA	0.47	0.56
tblVehicleEF	LDA	0.91	1.91
tblVehicleEF	LDA	222.19	240.74
tblVehicleEF	LDA	50.72	48.85
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.15
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	1.6130e-003	1.3699e-003
tblVehicleEF	LDA	2.2290e-003	1.6536e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	1.4850e-003	1.2610e-003
tblVehicleEF	LDA	2.0500e-003	1.5204e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.08	0.09
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	7.9920e-003	6.4399e-003
tblVehicleEF	LDA	0.03	0.19
tblVehicleEF	LDA	0.05	0.17
tblVehicleEF	LDA	2.2240e-003	2.3815e-003
tblVehicleEF	LDA	5.2200e-004	4.8343e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.08	0.09
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	9.3792e-003

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	LDA	0.03	0.19
tblVehicleEF	LDA	0.06	0.18
tblVehicleEF	LDA	3.6270e-003	2.0302e-003
tblVehicleEF	LDA	3.1890e-003	0.03
tblVehicleEF	LDA	0.58	0.68
tblVehicleEF	LDA	0.75	1.61
tblVehicleEF	LDA	243.03	260.62
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tblVehicleEF	LDA	0.04	0.02
tblVehicleEF	LDA	0.05	0.14
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	1.6130e-003	1.3699e-003
tblVehicleEF	LDA	2.2290e-003	1.6536e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	1.4850e-003	1.2610e-003
tblVehicleEF	LDA	2.0500e-003	1.5204e-003
tblVehicleEF	LDA	0.07	0.09
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.06	0.07
tblVehicleEF	LDA	9.0770e-003	7.2035e-003
tblVehicleEF	LDA	0.03	0.19
tblVehicleEF	LDA	0.04	0.14
tblVehicleEF	LDA	2.4340e-003	2.5782e-003
tblVehicleEF	LDA	5.1900e-004	4.7800e-004
tblVehicleEF	LDA	0.07	0.09

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.06	0.07
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.19
tblVehicleEF	LDA	0.05	0.16
tblVehicleEF	LDA	3.1050e-003	1.7588e-003
tblVehicleEF	LDA	3.8020e-003	0.04
tblVehicleEF	LDA	0.45	0.54
tblVehicleEF	LDA	0.89	1.91
tblVehicleEF	LDA	217.26	237.04
tblVehicleEF	LDA	50.72	48.86
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.05	0.15
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	1.6130e-003	1.3699e-003
tblVehicleEF	LDA	2.2290e-003	1.6536e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	1.4850e-003	1.2610e-003
tblVehicleEF	LDA	2.0500e-003	1.5204e-003
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	7.7850e-003	6.3088e-003
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.05	0.17

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	LDA	2.1750e-003	2.3449e-003
tblVehicleEF	LDA	5.2200e-004	4.8349e-004
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	9.1876e-003
tblVehicleEF	LDA	0.04	0.22
tblVehicleEF	LDA	0.06	0.19
tblVehicleEF	LDT1	9.7080e-003	4.9705e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.15	1.10
tblVehicleEF	LDT1	2.64	2.12
tblVehicleEF	LDT1	283.82	286.86
tblVehicleEF	LDT1	64.79	59.47
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tblVehicleEF	LDT1	0.16	0.23
tblVehicleEF	LDT1	0.04	0.04
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tblVehicleEF	LDT1	2.3710e-003	1.8857e-003
tblVehicleEF	LDT1	3.2130e-003	2.2903e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	2.1820e-003	1.7349e-003
tblVehicleEF	LDT1	2.9550e-003	2.1059e-003
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.27	0.20
tblVehicleEF	LDT1	0.10	0.00

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.17	0.68
tblVehicleEF	LDT1	0.18	0.30
tblVehicleEF	LDT1	2.8520e-003	2.8386e-003
tblVehicleEF	LDT1	6.9400e-004	5.8846e-004
tblVehicleEF	LDT1	0.15	0.15
tblVehicleEF	LDT1	0.27	0.20
tblVehicleEF	LDT1	0.10	0.11
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.17	0.68
tblVehicleEF	LDT1	0.20	0.33
tblVehicleEF	LDT1	0.01	5.5629e-003
tblVehicleEF	LDT1	0.01	0.05
tblVehicleEF	LDT1	1.38	1.30
tblVehicleEF	LDT1	2.17	1.78
tblVehicleEF	LDT1	309.34	307.46
tblVehicleEF	LDT1	64.79	58.79
tblVehicleEF	LDT1	0.10	0.07
tblVehicleEF	LDT1	0.15	0.21
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	2.3710e-003	1.8857e-003
tblVehicleEF	LDT1	3.2130e-003	2.2903e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	2.1820e-003	1.7349e-003
tblVehicleEF	LDT1	2.9550e-003	2.1059e-003

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	LDT1	0.31	0.27
tblVehicleEF	LDT1	0.33	0.24
tblVehicleEF	LDT1	0.22	0.00
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.17	0.67
tblVehicleEF	LDT1	0.15	0.26
tblVehicleEF	LDT1	3.1100e-003	3.0425e-003
tblVehicleEF	LDT1	6.8600e-004	5.8176e-004
tblVehicleEF	LDT1	0.31	0.27
tblVehicleEF	LDT1	0.33	0.24
tblVehicleEF	LDT1	0.22	0.20
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.17	0.67
tblVehicleEF	LDT1	0.16	0.29
tblVehicleEF	LDT1	9.4580e-003	4.8755e-003
tblVehicleEF	LDT1	0.01	0.06
tblVehicleEF	LDT1	1.09	1.06
tblVehicleEF	LDT1	2.60	2.12
tblVehicleEF	LDT1	277.82	283.02
tblVehicleEF	LDT1	64.79	59.48
tblVehicleEF	LDT1	0.11	0.08
tblVehicleEF	LDT1	0.15	0.23
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	2.3710e-003	1.8857e-003
tblVehicleEF	LDT1	3.2130e-003	2.2903e-003
tblVehicleEF	LDT1	0.02	0.02

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	2.1820e-003	1.7349e-003
tblVehicleEF	LDT1	2.9550e-003	2.1059e-003
tblVehicleEF	LDT1	0.16	0.14
tblVehicleEF	LDT1	0.31	0.23
tblVehicleEF	LDT1	0.10	0.00
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.20	0.79
tblVehicleEF	LDT1	0.18	0.31
tblVehicleEF	LDT1	2.7910e-003	2.8006e-003
tblVehicleEF	LDT1	6.9300e-004	5.8857e-004
tblVehicleEF	LDT1	0.16	0.14
tblVehicleEF	LDT1	0.31	0.23
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.20	0.79
tblVehicleEF	LDT1	0.20	0.34
tblVehicleEF	LDT2	4.9170e-003	3.2103e-003
tblVehicleEF	LDT2	5.8030e-003	0.06
tblVehicleEF	LDT2	0.67	0.81
tblVehicleEF	LDT2	1.28	2.44
tblVehicleEF	LDT2	315.69	299.56
tblVehicleEF	LDT2	71.50	62.23
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.10	0.23
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	LDT2	1.7520e-003	1.4593e-003
tblVehicleEF	LDT2	2.4460e-003	1.7259e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.6110e-003	1.3430e-003
tblVehicleEF	LDT2	2.2490e-003	1.5869e-003
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.08	0.26
tblVehicleEF	LDT2	3.1620e-003	2.9636e-003
tblVehicleEF	LDT2	7.3600e-004	6.1584e-004
tblVehicleEF	LDT2	0.06	0.09
tblVehicleEF	LDT2	0.10	0.12
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.41
tblVehicleEF	LDT2	0.09	0.28
tblVehicleEF	LDT2	5.5770e-003	3.6121e-003
tblVehicleEF	LDT2	4.8410e-003	0.05
tblVehicleEF	LDT2	0.82	0.97
tblVehicleEF	LDT2	1.06	2.05
tblVehicleEF	LDT2	344.57	319.04
tblVehicleEF	LDT2	71.50	61.50
tblVehicleEF	LDT2	0.06	0.05

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	LDT2	0.09	0.21
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	1.7520e-003	1.4593e-003
tblVehicleEF	LDT2	2.4460e-003	1.7259e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.6110e-003	1.3430e-003
tblVehicleEF	LDT2	2.2490e-003	1.5869e-003
tblVehicleEF	LDT2	0.11	0.16
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.40
tblVehicleEF	LDT2	0.07	0.22
tblVehicleEF	LDT2	3.4530e-003	3.1564e-003
tblVehicleEF	LDT2	7.3300e-004	6.0857e-004
tblVehicleEF	LDT2	0.11	0.16
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.10	0.13
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.40
tblVehicleEF	LDT2	0.07	0.24
tblVehicleEF	LDT2	4.7910e-003	3.1469e-003
tblVehicleEF	LDT2	5.7690e-003	0.06
tblVehicleEF	LDT2	0.64	0.77
tblVehicleEF	LDT2	1.26	2.44

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	LDT2	308.90	295.93
tblVehicleEF	LDT2	71.50	62.25
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.10	0.23
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	1.7520e-003	1.4593e-003
tblVehicleEF	LDT2	2.4460e-003	1.7259e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	1.6110e-003	1.3430e-003
tblVehicleEF	LDT2	2.2490e-003	1.5869e-003
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.08	0.26
tblVehicleEF	LDT2	3.0940e-003	2.9277e-003
tblVehicleEF	LDT2	7.3600e-004	6.1598e-004
tblVehicleEF	LDT2	0.05	0.08
tblVehicleEF	LDT2	0.11	0.13
tblVehicleEF	LDT2	0.04	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.47
tblVehicleEF	LDT2	0.09	0.28
tblVehicleEF	LHD1	4.6720e-003	4.6592e-003

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD1	8.9900e-003	4.5968e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.17
tblVehicleEF	LHD1	0.81	0.55
tblVehicleEF	LHD1	2.18	0.93
tblVehicleEF	LHD1	9.21	9.02
tblVehicleEF	LHD1	593.90	627.68
tblVehicleEF	LHD1	28.73	10.54
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	1.68	0.90
tblVehicleEF	LHD1	0.88	0.28
tblVehicleEF	LHD1	9.5400e-004	9.3201e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.9377e-003
tblVehicleEF	LHD1	0.01	8.4441e-003
tblVehicleEF	LHD1	8.2700e-004	2.2762e-004
tblVehicleEF	LHD1	9.1300e-004	8.9169e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5700e-003	2.4844e-003
tblVehicleEF	LHD1	0.01	8.0543e-003
tblVehicleEF	LHD1	7.6100e-004	2.0929e-004
tblVehicleEF	LHD1	3.3830e-003	2.5482e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7110e-003	1.3670e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.35	0.49

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD1	0.22	0.06
tblVehicleEF	LHD1	9.2000e-005	8.7272e-005
tblVehicleEF	LHD1	5.8160e-003	6.1122e-003
tblVehicleEF	LHD1	3.2800e-004	1.0432e-004
tblVehicleEF	LHD1	3.3830e-003	2.5482e-003
tblVehicleEF	LHD1	0.10	0.07
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7110e-003	1.3670e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.35	0.49
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD1	4.6720e-003	4.6714e-003
tblVehicleEF	LHD1	9.1960e-003	4.6751e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.17
tblVehicleEF	LHD1	0.82	0.56
tblVehicleEF	LHD1	2.04	0.89
tblVehicleEF	LHD1	9.21	9.02
tblVehicleEF	LHD1	593.90	627.70
tblVehicleEF	LHD1	28.73	10.46
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	1.58	0.85
tblVehicleEF	LHD1	0.84	0.27
tblVehicleEF	LHD1	9.5400e-004	9.3201e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.9377e-003
tblVehicleEF	LHD1	0.01	8.4441e-003

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD1	8.2700e-004	2.2762e-004
tblVehicleEF	LHD1	9.1300e-004	8.9169e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5700e-003	2.4844e-003
tblVehicleEF	LHD1	0.01	8.0543e-003
tblVehicleEF	LHD1	7.6100e-004	2.0929e-004
tblVehicleEF	LHD1	6.6270e-003	4.5664e-003
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	3.7910e-003	2.5856e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.35	0.49
tblVehicleEF	LHD1	0.21	0.06
tblVehicleEF	LHD1	9.2000e-005	8.7272e-005
tblVehicleEF	LHD1	5.8160e-003	6.1124e-003
tblVehicleEF	LHD1	3.2600e-004	1.0349e-004
tblVehicleEF	LHD1	6.6270e-003	4.5664e-003
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	3.7910e-003	2.5856e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.35	0.49
tblVehicleEF	LHD1	0.23	0.07
tblVehicleEF	LHD1	4.6720e-003	4.6606e-003
tblVehicleEF	LHD1	9.0130e-003	4.6025e-003
tblVehicleEF	LHD1	0.02	0.01
tblVehicleEF	LHD1	0.14	0.17

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD1	0.81	0.55
tblVehicleEF	LHD1	2.15	0.93
tblVehicleEF	LHD1	9.21	9.02
tblVehicleEF	LHD1	593.90	627.68
tblVehicleEF	LHD1	28.73	10.53
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	1.65	0.89
tblVehicleEF	LHD1	0.87	0.28
tblVehicleEF	LHD1	9.5400e-004	9.3201e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.9377e-003
tblVehicleEF	LHD1	0.01	8.4441e-003
tblVehicleEF	LHD1	8.2700e-004	2.2762e-004
tblVehicleEF	LHD1	9.1300e-004	8.9169e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5700e-003	2.4844e-003
tblVehicleEF	LHD1	0.01	8.0543e-003
tblVehicleEF	LHD1	7.6100e-004	2.0929e-004
tblVehicleEF	LHD1	3.6120e-003	2.5913e-003
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.6770e-003	1.3826e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.37	0.53
tblVehicleEF	LHD1	0.22	0.06
tblVehicleEF	LHD1	9.2000e-005	8.7272e-005
tblVehicleEF	LHD1	5.8160e-003	6.1122e-003

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD1	3.2800e-004	1.0423e-004
tblVehicleEF	LHD1	3.6120e-003	2.5913e-003
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.6770e-003	1.3826e-003
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	0.37	0.53
tblVehicleEF	LHD1	0.24	0.07
tblVehicleEF	LHD2	3.1420e-003	3.3291e-003
tblVehicleEF	LHD2	3.3700e-003	3.3970e-003
tblVehicleEF	LHD2	5.9590e-003	8.4449e-003
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.36	0.39
tblVehicleEF	LHD2	1.03	0.59
tblVehicleEF	LHD2	14.09	13.88
tblVehicleEF	LHD2	595.69	638.20
tblVehicleEF	LHD2	23.37	8.04
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	0.94	0.99
tblVehicleEF	LHD2	0.43	0.19
tblVehicleEF	LHD2	1.2080e-003	1.3651e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6200e-004	1.1985e-004
tblVehicleEF	LHD2	1.1560e-003	1.3061e-003
tblVehicleEF	LHD2	0.04	0.04

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD2	2.6970e-003	2.6752e-003
tblVehicleEF	LHD2	9.9080e-003	0.01
tblVehicleEF	LHD2	3.3300e-004	1.1020e-004
tblVehicleEF	LHD2	1.0780e-003	1.4504e-003
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.0700e-004	8.2611e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.07	0.26
tblVehicleEF	LHD2	0.08	0.04
tblVehicleEF	LHD2	1.3700e-004	1.3274e-004
tblVehicleEF	LHD2	5.7920e-003	6.1632e-003
tblVehicleEF	LHD2	2.5200e-004	7.9589e-005
tblVehicleEF	LHD2	1.0780e-003	1.4504e-003
tblVehicleEF	LHD2	0.03	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.0700e-004	8.2611e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.07	0.26
tblVehicleEF	LHD2	0.09	0.05
tblVehicleEF	LHD2	3.1420e-003	3.3377e-003
tblVehicleEF	LHD2	3.4100e-003	3.4261e-003
tblVehicleEF	LHD2	5.7050e-003	8.1204e-003
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.36	0.40
tblVehicleEF	LHD2	0.97	0.56
tblVehicleEF	LHD2	14.09	13.88

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD2	595.69	638.20
tblVehicleEF	LHD2	23.37	7.99
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	0.88	0.93
tblVehicleEF	LHD2	0.41	0.19
tblVehicleEF	LHD2	1.2080e-003	1.3651e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6200e-004	1.1985e-004
tblVehicleEF	LHD2	1.1560e-003	1.3061e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6970e-003	2.6752e-003
tblVehicleEF	LHD2	9.9080e-003	0.01
tblVehicleEF	LHD2	3.3300e-004	1.1020e-004
tblVehicleEF	LHD2	2.0680e-003	2.6071e-003
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.2890e-003	1.5543e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.07	0.26
tblVehicleEF	LHD2	0.08	0.04
tblVehicleEF	LHD2	1.3700e-004	1.3274e-004
tblVehicleEF	LHD2	5.7920e-003	6.1632e-003
tblVehicleEF	LHD2	2.5100e-004	7.9062e-005
tblVehicleEF	LHD2	2.0680e-003	2.6071e-003
tblVehicleEF	LHD2	0.04	0.05

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.2890e-003	1.5543e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.07	0.26
tblVehicleEF	LHD2	0.08	0.04
tblVehicleEF	LHD2	3.1420e-003	3.3301e-003
tblVehicleEF	LHD2	3.3740e-003	3.3996e-003
tblVehicleEF	LHD2	5.9110e-003	8.4051e-003
tblVehicleEF	LHD2	0.12	0.14
tblVehicleEF	LHD2	0.36	0.39
tblVehicleEF	LHD2	1.02	0.59
tblVehicleEF	LHD2	14.09	13.88
tblVehicleEF	LHD2	595.69	638.20
tblVehicleEF	LHD2	23.37	8.04
tblVehicleEF	LHD2	0.10	0.10
tblVehicleEF	LHD2	0.92	0.97
tblVehicleEF	LHD2	0.42	0.19
tblVehicleEF	LHD2	1.2080e-003	1.3651e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.6200e-004	1.1985e-004
tblVehicleEF	LHD2	1.1560e-003	1.3061e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	2.6970e-003	2.6752e-003
tblVehicleEF	LHD2	9.9080e-003	0.01
tblVehicleEF	LHD2	3.3300e-004	1.1020e-004

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD2	1.0780e-003	1.4139e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	5.9100e-004	8.2323e-004
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.07	0.28
tblVehicleEF	LHD2	0.08	0.04
tblVehicleEF	LHD2	1.3700e-004	1.3274e-004
tblVehicleEF	LHD2	5.7920e-003	6.1632e-003
tblVehicleEF	LHD2	2.5200e-004	7.9530e-005
tblVehicleEF	LHD2	1.0780e-003	1.4139e-003
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	5.9100e-004	8.2323e-004
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.07	0.28
tblVehicleEF	LHD2	0.09	0.04
tblVehicleEF	MCY	0.44	0.34
tblVehicleEF	MCY	0.16	0.24
tblVehicleEF	MCY	19.41	18.56
tblVehicleEF	MCY	9.98	8.66
tblVehicleEF	MCY	169.81	213.44
tblVehicleEF	MCY	45.18	59.80
tblVehicleEF	MCY	1.15	1.12
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	MCY	1.9700e-003	2.1222e-003
tblVehicleEF	MCY	3.3250e-003	2.7612e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	1.8410e-003	1.9817e-003
tblVehicleEF	MCY	3.1250e-003	2.5915e-003
tblVehicleEF	MCY	1.43	1.42
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	0.78	0.77
tblVehicleEF	MCY	2.18	2.33
tblVehicleEF	MCY	0.45	1.71
tblVehicleEF	MCY	2.12	1.82
tblVehicleEF	MCY	2.0790e-003	2.1122e-003
tblVehicleEF	MCY	6.7700e-004	5.9180e-004
tblVehicleEF	MCY	1.43	1.42
tblVehicleEF	MCY	0.80	0.78
tblVehicleEF	MCY	0.78	0.77
tblVehicleEF	MCY	2.71	2.89
tblVehicleEF	MCY	0.45	1.71
tblVehicleEF	MCY	2.31	1.98
tblVehicleEF	MCY	0.43	0.34
tblVehicleEF	MCY	0.13	0.21
tblVehicleEF	MCY	19.54	18.61
tblVehicleEF	MCY	9.04	7.91
tblVehicleEF	MCY	169.81	213.37
tblVehicleEF	MCY	45.18	57.90
tblVehicleEF	MCY	0.98	0.97

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	MCY	0.29	0.25
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	1.9700e-003	2.1222e-003
tblVehicleEF	MCY	3.3250e-003	2.7612e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	1.8410e-003	1.9817e-003
tblVehicleEF	MCY	3.1250e-003	2.5915e-003
tblVehicleEF	MCY	3.10	2.77
tblVehicleEF	MCY	1.23	1.10
tblVehicleEF	MCY	2.07	1.75
tblVehicleEF	MCY	2.14	2.29
tblVehicleEF	MCY	0.45	1.68
tblVehicleEF	MCY	1.83	1.60
tblVehicleEF	MCY	2.0790e-003	2.1115e-003
tblVehicleEF	MCY	6.5300e-004	5.7294e-004
tblVehicleEF	MCY	3.10	2.77
tblVehicleEF	MCY	1.23	1.10
tblVehicleEF	MCY	2.07	1.75
tblVehicleEF	MCY	2.65	2.84
tblVehicleEF	MCY	0.45	1.68
tblVehicleEF	MCY	1.99	1.74
tblVehicleEF	MCY	0.43	0.34
tblVehicleEF	MCY	0.15	0.23
tblVehicleEF	MCY	18.58	18.09
tblVehicleEF	MCY	9.62	8.51

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	MCY	169.81	212.63
tblVehicleEF	MCY	45.18	59.48
tblVehicleEF	MCY	1.11	1.09
tblVehicleEF	MCY	0.31	0.26
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	1.9700e-003	2.1222e-003
tblVehicleEF	MCY	3.3250e-003	2.7612e-003
tblVehicleEF	MCY	5.0400e-003	5.0400e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	1.8410e-003	1.9817e-003
tblVehicleEF	MCY	3.1250e-003	2.5915e-003
tblVehicleEF	MCY	1.69	1.57
tblVehicleEF	MCY	1.07	1.03
tblVehicleEF	MCY	0.70	0.73
tblVehicleEF	MCY	2.15	2.31
tblVehicleEF	MCY	0.52	1.96
tblVehicleEF	MCY	2.05	1.79
tblVehicleEF	MCY	2.0650e-003	2.1042e-003
tblVehicleEF	MCY	6.6900e-004	5.8858e-004
tblVehicleEF	MCY	1.69	1.57
tblVehicleEF	MCY	1.07	1.03
tblVehicleEF	MCY	0.70	0.73
tblVehicleEF	MCY	2.67	2.87
tblVehicleEF	MCY	0.52	1.96
tblVehicleEF	MCY	2.23	1.95
tblVehicleEF	MDV	9.3540e-003	3.8819e-003

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	1.04	0.88
tblVehicleEF	MDV	2.45	2.76
tblVehicleEF	MDV	439.27	372.59
tblVehicleEF	MDV	98.67	77.65
tblVehicleEF	MDV	0.13	0.07
tblVehicleEF	MDV	0.23	0.29
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.7830e-003	1.5014e-003
tblVehicleEF	MDV	2.4100e-003	1.7545e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	1.6430e-003	1.3842e-003
tblVehicleEF	MDV	2.2160e-003	1.6132e-003
tblVehicleEF	MDV	0.09	0.10
tblVehicleEF	MDV	0.18	0.15
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.10	0.46
tblVehicleEF	MDV	0.18	0.33
tblVehicleEF	MDV	4.3980e-003	3.6833e-003
tblVehicleEF	MDV	1.0290e-003	7.6838e-004
tblVehicleEF	MDV	0.09	0.10
tblVehicleEF	MDV	0.18	0.15
tblVehicleEF	MDV	0.08	0.10
tblVehicleEF	MDV	0.03	0.02

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	MDV	0.10	0.46
tblVehicleEF	MDV	0.20	0.36
tblVehicleEF	MDV	0.01	4.3732e-003
tblVehicleEF	MDV	0.01	0.06
tblVehicleEF	MDV	1.27	1.05
tblVehicleEF	MDV	2.03	2.32
tblVehicleEF	MDV	478.15	392.95
tblVehicleEF	MDV	98.67	76.79
tblVehicleEF	MDV	0.11	0.06
tblVehicleEF	MDV	0.22	0.27
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.7830e-003	1.5014e-003
tblVehicleEF	MDV	2.4100e-003	1.7545e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	1.6430e-003	1.3842e-003
tblVehicleEF	MDV	2.2160e-003	1.6132e-003
tblVehicleEF	MDV	0.19	0.19
tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.16	0.17
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.10	0.45
tblVehicleEF	MDV	0.15	0.28
tblVehicleEF	MDV	4.7900e-003	3.8847e-003
tblVehicleEF	MDV	1.0220e-003	7.5989e-004
tblVehicleEF	MDV	0.19	0.19

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	MDV	0.21	0.17
tblVehicleEF	MDV	0.16	0.17
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.10	0.45
tblVehicleEF	MDV	0.17	0.31
tblVehicleEF	MDV	9.1040e-003	3.8031e-003
tblVehicleEF	MDV	0.01	0.07
tblVehicleEF	MDV	0.99	0.84
tblVehicleEF	MDV	2.42	2.77
tblVehicleEF	MDV	430.20	368.80
tblVehicleEF	MDV	98.67	77.67
tblVehicleEF	MDV	0.12	0.07
tblVehicleEF	MDV	0.23	0.28
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.7830e-003	1.5014e-003
tblVehicleEF	MDV	2.4100e-003	1.7545e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	1.6430e-003	1.3842e-003
tblVehicleEF	MDV	2.2160e-003	1.6132e-003
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.20	0.16
tblVehicleEF	MDV	0.08	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.12	0.52
tblVehicleEF	MDV	0.18	0.33

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	MDV	4.3070e-003	3.6457e-003
tblVehicleEF	MDV	1.0290e-003	7.6857e-004
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.20	0.16
tblVehicleEF	MDV	0.08	0.09
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.12	0.53
tblVehicleEF	MDV	0.20	0.36
tblVehicleEF	MH	0.02	8.2308e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.94	0.88
tblVehicleEF	MH	5.34	1.88
tblVehicleEF	MH	1,048.24	1,434.92
tblVehicleEF	MH	58.51	17.73
tblVehicleEF	MH	1.28	1.37
tblVehicleEF	MH	0.81	0.24
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.0110e-003	2.2144e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2250e-003	3.2915e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	9.3000e-004	2.0360e-004
tblVehicleEF	MH	1.22	0.91
tblVehicleEF	MH	0.08	0.06
tblVehicleEF	MH	0.43	0.36

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	MH	0.07	0.05
tblVehicleEF	MH	0.03	1.21
tblVehicleEF	MH	0.31	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.7800e-004	1.7543e-004
tblVehicleEF	MH	1.22	0.91
tblVehicleEF	MH	0.08	0.06
tblVehicleEF	MH	0.43	0.36
tblVehicleEF	MH	0.10	0.07
tblVehicleEF	MH	0.03	1.21
tblVehicleEF	MH	0.34	0.10
tblVehicleEF	MH	0.02	8.4109e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.01	0.90
tblVehicleEF	MH	4.87	1.75
tblVehicleEF	MH	1,048.24	1,434.96
tblVehicleEF	MH	58.51	17.51
tblVehicleEF	MH	1.17	1.27
tblVehicleEF	MH	0.76	0.23
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.0110e-003	2.2144e-004
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	3.2250e-003	3.2915e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	9.3000e-004	2.0360e-004

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	MH	2.40	1.62
tblVehicleEF	MH	0.09	0.06
tblVehicleEF	MH	1.01	0.69
tblVehicleEF	MH	0.08	0.05
tblVehicleEF	MH	0.03	1.20
tblVehicleEF	MH	0.29	0.08
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.7000e-004	1.7323e-004
tblVehicleEF	MH	2.40	1.62
tblVehicleEF	MH	0.09	0.06
tblVehicleEF	MH	1.01	0.69
tblVehicleEF	MH	0.10	0.07
tblVehicleEF	MH	0.03	1.20
tblVehicleEF	MH	0.32	0.09
tblVehicleEF	MH	0.02	8.2354e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.94	0.88
tblVehicleEF	MH	5.29	1.89
tblVehicleEF	MH	1,048.24	1,434.92
tblVehicleEF	MH	58.51	17.73
tblVehicleEF	MH	1.25	1.34
tblVehicleEF	MH	0.79	0.24
tblVehicleEF	MH	0.13	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.0110e-003	2.2144e-004
tblVehicleEF	MH	0.06	0.06

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	MH	3.2250e-003	3.2915e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	9.3000e-004	2.0360e-004
tblVehicleEF	MH	1.42	0.98
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.44	0.37
tblVehicleEF	MH	0.07	0.05
tblVehicleEF	MH	0.03	1.27
tblVehicleEF	MH	0.31	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.7700e-004	1.7550e-004
tblVehicleEF	MH	1.42	0.98
tblVehicleEF	MH	0.09	0.07
tblVehicleEF	MH	0.44	0.37
tblVehicleEF	MH	0.10	0.07
tblVehicleEF	MH	0.03	1.27
tblVehicleEF	MH	0.34	0.10
tblVehicleEF	MHD	0.02	2.3464e-003
tblVehicleEF	MHD	2.3730e-003	8.5842e-004
tblVehicleEF	MHD	0.04	5.5894e-003
tblVehicleEF	MHD	0.29	0.30
tblVehicleEF	MHD	0.21	0.13
tblVehicleEF	MHD	3.98	0.61
tblVehicleEF	MHD	157.13	62.39
tblVehicleEF	MHD	1,097.93	916.96
tblVehicleEF	MHD	49.45	5.69
tblVehicleEF	MHD	0.42	0.34

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	MHD	0.63	1.08
tblVehicleEF	MHD	12.14	1.87
tblVehicleEF	MHD	9.1000e-005	2.4186e-004
tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	2.7720e-003	6.9222e-003
tblVehicleEF	MHD	6.6500e-004	6.5242e-005
tblVehicleEF	MHD	8.7000e-005	2.3140e-004
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	2.6480e-003	6.6197e-003
tblVehicleEF	MHD	6.1100e-004	5.9987e-005
tblVehicleEF	MHD	9.7700e-004	3.4152e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	5.2700e-004	1.9201e-004
tblVehicleEF	MHD	0.03	9.4772e-003
tblVehicleEF	MHD	0.01	0.06
tblVehicleEF	MHD	0.24	0.03
tblVehicleEF	MHD	1.5090e-003	5.9124e-004
tblVehicleEF	MHD	0.01	8.7144e-003
tblVehicleEF	MHD	5.6400e-004	5.6269e-005
tblVehicleEF	MHD	9.7700e-004	3.4152e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	5.2700e-004	1.9201e-004
tblVehicleEF	MHD	0.03	0.01

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	MHD	0.01	0.06
tblVehicleEF	MHD	0.27	0.03
tblVehicleEF	MHD	0.01	2.2408e-003
tblVehicleEF	MHD	2.4050e-003	8.7214e-004
tblVehicleEF	MHD	0.04	5.3707e-003
tblVehicleEF	MHD	0.21	0.27
tblVehicleEF	MHD	0.21	0.13
tblVehicleEF	MHD	3.72	0.57
tblVehicleEF	MHD	166.43	62.07
tblVehicleEF	MHD	1,097.93	916.96
tblVehicleEF	MHD	49.45	5.63
tblVehicleEF	MHD	0.44	0.33
tblVehicleEF	MHD	0.59	1.02
tblVehicleEF	MHD	12.11	1.87
tblVehicleEF	MHD	7.6000e-005	2.0687e-004
tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	2.7720e-003	6.9222e-003
tblVehicleEF	MHD	6.6500e-004	6.5242e-005
tblVehicleEF	MHD	7.3000e-005	1.9792e-004
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	2.6480e-003	6.6197e-003
tblVehicleEF	MHD	6.1100e-004	5.9987e-005
tblVehicleEF	MHD	1.9120e-003	6.2048e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.01

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	MHD	1.1780e-003	3.7268e-004
tblVehicleEF	MHD	0.03	9.5352e-003
tblVehicleEF	MHD	0.01	0.06
tblVehicleEF	MHD	0.23	0.03
tblVehicleEF	MHD	1.5970e-003	5.8830e-004
tblVehicleEF	MHD	0.01	8.7144e-003
tblVehicleEF	MHD	5.6000e-004	5.5694e-005
tblVehicleEF	MHD	1.9120e-003	6.2048e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	1.1780e-003	3.7268e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.01	0.06
tblVehicleEF	MHD	0.25	0.03
tblVehicleEF	MHD	0.02	2.5023e-003
tblVehicleEF	MHD	2.3770e-003	8.5829e-004
tblVehicleEF	MHD	0.04	5.5470e-003
tblVehicleEF	MHD	0.41	0.35
tblVehicleEF	MHD	0.21	0.13
tblVehicleEF	MHD	3.91	0.60
tblVehicleEF	MHD	144.26	62.83
tblVehicleEF	MHD	1,097.93	916.96
tblVehicleEF	MHD	49.45	5.68
tblVehicleEF	MHD	0.40	0.36
tblVehicleEF	MHD	0.62	1.06
tblVehicleEF	MHD	12.13	1.87
tblVehicleEF	MHD	1.1000e-004	2.9018e-004

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	MHD	0.13	0.13
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	2.7720e-003	6.9222e-003
tblVehicleEF	MHD	6.6500e-004	6.5242e-005
tblVehicleEF	MHD	1.0600e-004	2.7763e-004
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	2.6480e-003	6.6197e-003
tblVehicleEF	MHD	6.1100e-004	5.9987e-005
tblVehicleEF	MHD	1.0160e-003	3.4130e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	5.1300e-004	1.9295e-004
tblVehicleEF	MHD	0.03	9.4794e-003
tblVehicleEF	MHD	0.01	0.07
tblVehicleEF	MHD	0.24	0.03
tblVehicleEF	MHD	1.3880e-003	5.9527e-004
tblVehicleEF	MHD	0.01	8.7144e-003
tblVehicleEF	MHD	5.6300e-004	5.6189e-005
tblVehicleEF	MHD	1.0160e-003	3.4130e-004
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	5.1300e-004	1.9295e-004
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	0.01	0.07
tblVehicleEF	MHD	0.26	0.03
tblVehicleEF	OBUS	0.01	8.6230e-003

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	OBUS	6.2520e-003	4.3534e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.24	0.55
tblVehicleEF	OBUS	0.41	0.53
tblVehicleEF	OBUS	5.29	2.26
tblVehicleEF	OBUS	65.82	75.75
tblVehicleEF	OBUS	1,119.44	1,336.45
tblVehicleEF	OBUS	69.89	19.37
tblVehicleEF	OBUS	0.13	0.29
tblVehicleEF	OBUS	0.44	0.98
tblVehicleEF	OBUS	1.78	0.75
tblVehicleEF	OBUS	1.1000e-005	9.7047e-005
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.0200e-003	6.6596e-003
tblVehicleEF	OBUS	9.5000e-004	2.2332e-004
tblVehicleEF	OBUS	1.1000e-005	9.2848e-005
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	1.9090e-003	6.3531e-003
tblVehicleEF	OBUS	8.7400e-004	2.0533e-004
tblVehicleEF	OBUS	1.8990e-003	2.5585e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	8.3600e-004	1.1224e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.05	0.29

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	OBUS	0.33	0.11
tblVehicleEF	OBUS	6.4000e-004	7.2196e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9100e-004	1.9164e-004
tblVehicleEF	OBUS	1.8990e-003	2.5585e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	8.3600e-004	1.1224e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.36	0.12
tblVehicleEF	OBUS	0.01	8.7042e-003
tblVehicleEF	OBUS	6.4110e-003	4.4593e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.24	0.55
tblVehicleEF	OBUS	0.42	0.54
tblVehicleEF	OBUS	4.85	2.11
tblVehicleEF	OBUS	68.71	74.92
tblVehicleEF	OBUS	1,119.44	1,336.47
tblVehicleEF	OBUS	69.89	19.10
tblVehicleEF	OBUS	0.13	0.27
tblVehicleEF	OBUS	0.41	0.92
tblVehicleEF	OBUS	1.74	0.74
tblVehicleEF	OBUS	1.0000e-005	8.6232e-005
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.0200e-003	6.6596e-003

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	OBUS	9.5000e-004	2.2332e-004
tblVehicleEF	OBUS	9.0000e-006	8.2502e-005
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	1.9090e-003	6.3531e-003
tblVehicleEF	OBUS	8.7400e-004	2.0533e-004
tblVehicleEF	OBUS	3.6770e-003	4.5914e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	1.8930e-003	2.1865e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.31	0.10
tblVehicleEF	OBUS	6.6800e-004	7.1410e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8400e-004	1.8900e-004
tblVehicleEF	OBUS	3.6770e-003	4.5914e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	1.8930e-003	2.1865e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.05	0.29
tblVehicleEF	OBUS	0.34	0.11
tblVehicleEF	OBUS	0.01	8.5439e-003
tblVehicleEF	OBUS	6.2690e-003	4.3567e-003
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.25	0.56

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	OBUS	0.41	0.53
tblVehicleEF	OBUS	5.25	2.27
tblVehicleEF	OBUS	61.82	76.90
tblVehicleEF	OBUS	1,119.44	1,336.45
tblVehicleEF	OBUS	69.89	19.37
tblVehicleEF	OBUS	0.12	0.31
tblVehicleEF	OBUS	0.43	0.96
tblVehicleEF	OBUS	1.77	0.75
tblVehicleEF	OBUS	1.4000e-005	1.1198e-004
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.0200e-003	6.6596e-003
tblVehicleEF	OBUS	9.5000e-004	2.2332e-004
tblVehicleEF	OBUS	1.3000e-005	1.0714e-004
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	1.9090e-003	6.3531e-003
tblVehicleEF	OBUS	8.7400e-004	2.0533e-004
tblVehicleEF	OBUS	1.9540e-003	2.6393e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	8.3000e-004	1.1621e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.33	0.11
tblVehicleEF	OBUS	6.0200e-004	7.3280e-004
tblVehicleEF	OBUS	0.01	0.01

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	OBUS	7.9100e-004	1.9172e-004
tblVehicleEF	OBUS	1.9540e-003	2.6393e-003
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.06
tblVehicleEF	OBUS	8.3000e-004	1.1621e-003
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	0.05	0.31
tblVehicleEF	OBUS	0.36	0.12
tblVehicleEF	SBUS	0.82	0.06
tblVehicleEF	SBUS	8.4750e-003	6.8820e-003
tblVehicleEF	SBUS	0.06	6.3623e-003
tblVehicleEF	SBUS	6.01	2.70
tblVehicleEF	SBUS	0.53	0.64
tblVehicleEF	SBUS	5.05	0.82
tblVehicleEF	SBUS	1,217.18	338.69
tblVehicleEF	SBUS	1,113.27	1,067.82
tblVehicleEF	SBUS	40.27	4.92
tblVehicleEF	SBUS	9.36	2.93
tblVehicleEF	SBUS	3.61	4.32
tblVehicleEF	SBUS	14.40	1.11
tblVehicleEF	SBUS	7.8830e-003	3.0962e-003
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	5.9900e-004	4.2433e-005
tblVehicleEF	SBUS	7.5420e-003	2.9622e-003
tblVehicleEF	SBUS	0.32	0.32

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	SBUS	2.7330e-003	2.6932e-003
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	5.5100e-004	3.9016e-005
tblVehicleEF	SBUS	3.0330e-003	1.2236e-003
tblVehicleEF	SBUS	0.02	9.5431e-003
tblVehicleEF	SBUS	0.71	0.30
tblVehicleEF	SBUS	1.4390e-003	6.3029e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	9.3710e-003	0.06
tblVehicleEF	SBUS	0.27	0.04
tblVehicleEF	SBUS	0.01	3.2296e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.9000e-004	4.8650e-005
tblVehicleEF	SBUS	3.0330e-003	1.2236e-003
tblVehicleEF	SBUS	0.02	9.5431e-003
tblVehicleEF	SBUS	1.02	0.42
tblVehicleEF	SBUS	1.4390e-003	6.3029e-004
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	9.3710e-003	0.06
tblVehicleEF	SBUS	0.29	0.04
tblVehicleEF	SBUS	0.82	0.06
tblVehicleEF	SBUS	8.6200e-003	6.9855e-003
tblVehicleEF	SBUS	0.05	5.3278e-003
tblVehicleEF	SBUS	5.89	2.67
tblVehicleEF	SBUS	0.53	0.65
tblVehicleEF	SBUS	3.46	0.59
tblVehicleEF	SBUS	1,277.69	344.56

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	SBUS	1,113.27	1,067.84
tblVehicleEF	SBUS	40.27	4.54
tblVehicleEF	SBUS	9.66	2.98
tblVehicleEF	SBUS	3.39	4.06
tblVehicleEF	SBUS	14.38	1.10
tblVehicleEF	SBUS	6.6460e-003	2.6187e-003
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	5.9900e-004	4.2433e-005
tblVehicleEF	SBUS	6.3580e-003	2.5054e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.7330e-003	2.6932e-003
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	5.5100e-004	3.9016e-005
tblVehicleEF	SBUS	5.7580e-003	2.1715e-003
tblVehicleEF	SBUS	0.02	9.8314e-003
tblVehicleEF	SBUS	0.71	0.30
tblVehicleEF	SBUS	3.0800e-003	1.1655e-003
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	8.5600e-003	0.05
tblVehicleEF	SBUS	0.22	0.03
tblVehicleEF	SBUS	0.01	3.2851e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.6300e-004	4.4901e-005
tblVehicleEF	SBUS	5.7580e-003	2.1715e-003
tblVehicleEF	SBUS	0.02	9.8314e-003

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	SBUS	1.02	0.42
tblVehicleEF	SBUS	3.0800e-003	1.1655e-003
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	8.5600e-003	0.05
tblVehicleEF	SBUS	0.24	0.03
tblVehicleEF	SBUS	0.82	0.06
tblVehicleEF	SBUS	8.4790e-003	6.8756e-003
tblVehicleEF	SBUS	0.06	6.5553e-003
tblVehicleEF	SBUS	6.17	2.74
tblVehicleEF	SBUS	0.53	0.64
tblVehicleEF	SBUS	5.10	0.86
tblVehicleEF	SBUS	1,133.61	330.58
tblVehicleEF	SBUS	1,113.27	1,067.82
tblVehicleEF	SBUS	40.27	4.98
tblVehicleEF	SBUS	8.94	2.87
tblVehicleEF	SBUS	3.56	4.26
tblVehicleEF	SBUS	14.40	1.11
tblVehicleEF	SBUS	9.5930e-003	3.7555e-003
tblVehicleEF	SBUS	0.74	0.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	5.9900e-004	4.2433e-005
tblVehicleEF	SBUS	9.1780e-003	3.5931e-003
tblVehicleEF	SBUS	0.32	0.32
tblVehicleEF	SBUS	2.7330e-003	2.6932e-003
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	5.5100e-004	3.9016e-005

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	SBUS	2.9290e-003	1.1158e-003
tblVehicleEF	SBUS	0.02	9.7117e-003
tblVehicleEF	SBUS	0.71	0.30
tblVehicleEF	SBUS	1.4140e-003	6.3403e-004
tblVehicleEF	SBUS	0.10	0.09
tblVehicleEF	SBUS	0.01	0.07
tblVehicleEF	SBUS	0.27	0.04
tblVehicleEF	SBUS	0.01	3.1530e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.9100e-004	4.9268e-005
tblVehicleEF	SBUS	2.9290e-003	1.1158e-003
tblVehicleEF	SBUS	0.02	9.7117e-003
tblVehicleEF	SBUS	1.03	0.42
tblVehicleEF	SBUS	1.4140e-003	6.3403e-004
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.01	0.07
tblVehicleEF	SBUS	0.29	0.04
tblVehicleEF	UBUS	1.54	4.47
tblVehicleEF	UBUS	0.08	8.3829e-003
tblVehicleEF	UBUS	7.71	34.91
tblVehicleEF	UBUS	12.81	0.87
tblVehicleEF	UBUS	1,799.11	1,682.63
tblVehicleEF	UBUS	140.33	11.10
tblVehicleEF	UBUS	4.15	0.36
tblVehicleEF	UBUS	13.04	0.11
tblVehicleEF	UBUS	0.51	0.07
tblVehicleEF	UBUS	0.01	0.03

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	UBUS	0.04	2.6995e-003
tblVehicleEF	UBUS	1.4670e-003	1.7438e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6215e-003
tblVehicleEF	UBUS	0.04	2.5683e-003
tblVehicleEF	UBUS	1.3480e-003	1.6034e-004
tblVehicleEF	UBUS	7.2070e-003	1.1590e-003
tblVehicleEF	UBUS	0.10	8.2267e-003
tblVehicleEF	UBUS	3.6150e-003	6.8882e-004
tblVehicleEF	UBUS	0.42	0.07
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.06	0.03
tblVehicleEF	UBUS	9.4600e-003	2.8401e-003
tblVehicleEF	UBUS	1.6370e-003	1.0982e-004
tblVehicleEF	UBUS	7.2070e-003	1.1590e-003
tblVehicleEF	UBUS	0.10	8.2267e-003
tblVehicleEF	UBUS	3.6150e-003	6.8882e-004
tblVehicleEF	UBUS	2.00	4.57
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.17	0.03
tblVehicleEF	UBUS	1.54	4.47
tblVehicleEF	UBUS	0.07	7.6042e-003
tblVehicleEF	UBUS	7.78	34.91
tblVehicleEF	UBUS	10.55	0.74
tblVehicleEF	UBUS	1,799.11	1,682.63
tblVehicleEF	UBUS	140.33	10.89
tblVehicleEF	UBUS	3.85	0.35

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	UBUS	12.93	0.11
tblVehicleEF	UBUS	0.51	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.04	2.6995e-003
tblVehicleEF	UBUS	1.4670e-003	1.7438e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6215e-003
tblVehicleEF	UBUS	0.04	2.5683e-003
tblVehicleEF	UBUS	1.3480e-003	1.6034e-004
tblVehicleEF	UBUS	0.01	2.1255e-003
tblVehicleEF	UBUS	0.12	9.7961e-003
tblVehicleEF	UBUS	8.4130e-003	1.3959e-003
tblVehicleEF	UBUS	0.43	0.07
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.95	0.03
tblVehicleEF	UBUS	9.4620e-003	2.8402e-003
tblVehicleEF	UBUS	1.5980e-003	1.0772e-004
tblVehicleEF	UBUS	0.01	2.1255e-003
tblVehicleEF	UBUS	0.12	9.7961e-003
tblVehicleEF	UBUS	8.4130e-003	1.3959e-003
tblVehicleEF	UBUS	2.01	4.57
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	1.04	0.03
tblVehicleEF	UBUS	1.54	4.47
tblVehicleEF	UBUS	0.08	8.4566e-003
tblVehicleEF	UBUS	7.72	34.91
tblVehicleEF	UBUS	12.41	0.89

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleEF	UBUS	1,799.11	1,682.63
tblVehicleEF	UBUS	140.33	11.12
tblVehicleEF	UBUS	4.07	0.36
tblVehicleEF	UBUS	13.02	0.11
tblVehicleEF	UBUS	0.51	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.04	2.6995e-003
tblVehicleEF	UBUS	1.4670e-003	1.7438e-004
tblVehicleEF	UBUS	0.22	0.03
tblVehicleEF	UBUS	3.0000e-003	6.6215e-003
tblVehicleEF	UBUS	0.04	2.5683e-003
tblVehicleEF	UBUS	1.3480e-003	1.6034e-004
tblVehicleEF	UBUS	8.0140e-003	1.1760e-003
tblVehicleEF	UBUS	0.12	9.2548e-003
tblVehicleEF	UBUS	3.7130e-003	6.9730e-004
tblVehicleEF	UBUS	0.42	0.07
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	1.05	0.03
tblVehicleEF	UBUS	9.4600e-003	2.8401e-003
tblVehicleEF	UBUS	1.6300e-003	1.1003e-004
tblVehicleEF	UBUS	8.0140e-003	1.1760e-003
tblVehicleEF	UBUS	0.12	9.2548e-003
tblVehicleEF	UBUS	3.7130e-003	6.9730e-004
tblVehicleEF	UBUS	2.00	4.57
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	1.15	0.03
tblVehicleTrips	ST_TR	6.39	7.32

Fontana-Southridge - San Bernardino-South Coast County, Winter

tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	9.10	0.00
tblVehicleTrips	SU_TR	5.86	7.32
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	13.60	0.00
tblVehicleTrips	WD_TR	6.65	7.32
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	33.82	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.2560	60.1921	23.0602	0.1712	82.0606	1.6138	83.1042	21.9829	1.4847	22.9467	0.0000	17,909.0899	17,909.0899	1.8121	0.0000	17,954.3929
2023	5.1440	45.1332	40.4810	0.1664	20.4063	1.9811	22.3874	10.5569	1.8374	12.3944	0.0000	17,401.0338	17,401.0338	1.9017	0.0000	17,442.6759
2024	35.9974	33.6585	36.4465	0.0826	8.9172	1.3528	10.2700	3.9937	1.2573	5.2510	0.0000	8,078.2956	8,078.2956	1.6307	0.0000	8,119.0633
2025	34.1884	15.5616	20.8405	0.0510	2.1388	0.5413	2.6801	0.5729	0.5090	1.0819	0.0000	5,008.9227	5,008.9227	0.6916	0.0000	5,026.2119
Maximum	35.9974	60.1921	40.4810	0.1712	82.0606	1.9811	83.1042	21.9829	1.8374	22.9467	0.0000	17,909.0899	17,909.0899	1.9017	0.0000	17,954.3929

Fontana-Southridge - San Bernardino-South Coast County, Winter

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	44.3804	3.3633	91.6117	0.2018		11.9111	11.9111		11.9111	11.9111	1,451.8724	2,813.0484	4,264.9207	4.3519	0.0985	4,403.0833
Energy	0.0678	0.5790	0.2464	3.7000e-003		0.0468	0.0468		0.0468	0.0468		739.1080	739.1080	0.0142	0.0136	743.5001
Mobile	2.4845	7.7299	24.2513	0.0842	8.2516	0.0713	8.3229	2.2050	0.0670	2.2720		8,809.3370	8,809.3370	0.5536		8,823.1767
Total	46.9327	11.6721	116.1093	0.2896	8.2516	12.0292	20.2808	2.2050	12.0249	14.2299	1,451.8724	12,361.4933	13,813.3657	4.9196	0.1121	13,969.7601

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	3.7648	0.1473	12.7862	6.8000e-004		0.0709	0.0709		0.0709	0.0709	0.0000	23.0484	23.0484	0.0221	0.0000	23.6011
Energy	0.0465	0.3972	0.1690	2.5400e-003		0.0321	0.0321		0.0321	0.0321		507.0470	507.0470	9.7200e-003	9.3000e-003	510.0601
Mobile	2.4845	7.7299	24.2513	0.0842	8.2516	0.0713	8.3229	2.2050	0.0670	2.2720		8,809.3370	8,809.3370	0.5536		8,823.1767
Total	6.2958	8.2743	37.2065	0.0874	8.2516	0.1743	8.4259	2.2050	0.1700	2.3750	0.0000	9,339.4323	9,339.4323	0.5854	9.3000e-003	9,356.8379

Fontana-Southridge - San Bernardino-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	86.59	29.11	67.96	69.83	0.00	98.55	58.45	0.00	98.59	83.31	100.00	24.45	32.39	88.10	91.70	33.02

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	12/1/2022	12/28/2022	5	20	Phase 1
2	Grading	Grading	12/29/2022	3/22/2023	5	60	Phase 1
3	Building Construction	Building Construction	3/23/2023	2/7/2024	5	230	Phase 1
4	Site Preparation Phase 2	Site Preparation	12/1/2023	12/28/2023	5	20	Phase 2
5	Grading Phase 2	Grading	12/29/2023	3/21/2024	5	60	Phase 2
6	Paving	Paving	2/8/2024	3/20/2024	5	30	Phase 1
7	Architectural Coating	Architectural Coating	2/8/2024	3/20/2024	5	30	Phase 1
8	Construction Phase 2	Building Construction	3/23/2024	2/7/2025	5	230	Phase 2
9	Paving Phase 2	Paving	2/8/2025	3/21/2025	5	30	Phase 2
10	Architectural Coating Phase 2	Architectural Coating	2/8/2025	3/21/2025	5	30	Phase 2

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 30

Acres of Paving: 2.34

Residential Indoor: 313,875; Residential Outdoor: 104,625; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 6,115 (Architectural Coating – sqft)

OffRoad Equipment

Fontana-Southridge - San Bernardino-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation Phase 2	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation Phase 2	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading Phase 2	Excavators	1	8.00	158	0.38
Grading Phase 2	Graders	1	8.00	187	0.41
Grading Phase 2	Rubber Tired Dozers	1	8.00	247	0.40
Grading Phase 2	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Construction Phase 2	Cranes	1	7.00	231	0.29
Construction Phase 2	Forklifts	3	8.00	89	0.20
Construction Phase 2	Generator Sets	1	8.00	84	0.74
Construction Phase 2	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Construction Phase 2	Welders	1	8.00	46	0.45
Paving Phase 2	Cement and Mortar Mixers	2	6.00	9	0.56
Paving Phase 2	Pavers	1	8.00	130	0.42
Paving Phase 2	Paving Equipment	2	6.00	132	0.36
Paving Phase 2	Rollers	2	6.00	80	0.38
Paving Phase 2	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating Phase 2	Air Compressors	1	6.00	78	0.48
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
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

Fontana-Southridge - San Bernardino-South Coast County, Winter

Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
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
Site Preparation Phase 2	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading Phase 2	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction Phase 2	9	169.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving Phase 2	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating Phase 2	1	34.00	0.00	0.00	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	11,250.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	169.00	39.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	34.00	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

Clean Paved Roads

Fontana-Southridge - San Bernardino-South Coast County, Winter

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			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	18.0663	1.6126	19.6788	9.9307	1.4836	11.4143		3,686.0619	3,686.0619	1.1922		3,715.8655

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0858	0.0534	0.5606	1.7100e-003	0.2012	1.2500e-003	0.2025	0.0534	1.1500e-003	0.0545		170.3063	170.3063	4.4100e-003		170.4166
Total	0.0858	0.0534	0.5606	1.7100e-003	0.2012	1.2500e-003	0.2025	0.0534	1.1500e-003	0.0545		170.3063	170.3063	4.4100e-003		170.4166

Fontana-Southridge - San Bernardino-South Coast County, Winter

3.2 Site Preparation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			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	7.0458	1.6126	8.6584	3.8730	1.4836	5.3565	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0858	0.0534	0.5606	1.7100e-003	0.1855	1.2500e-003	0.1867	0.0495	1.1500e-003	0.0506		170.3063	170.3063	4.4100e-003		170.4166
Total	0.0858	0.0534	0.5606	1.7100e-003	0.1855	1.2500e-003	0.1867	0.0495	1.1500e-003	0.0506		170.3063	170.3063	4.4100e-003		170.4166

Fontana-Southridge - San Bernardino-South Coast County, Winter

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.7220	0.0000	6.7220	3.3932	0.0000	3.3932			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	6.7220	0.9409	7.6628	3.3932	0.8656	4.2588		2,872.0464	2,872.0464	0.9289		2,895.2684

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.1015	39.2924	7.3204	0.1402	75.1710	0.1017	75.2727	18.5453	0.0973	18.6426		14,895.1216	14,895.1216	0.8796		14,917.1106
Vendor	0.0000	0.0000	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	0.0715	0.0445	0.4671	1.4200e-003	0.1677	1.0400e-003	0.1687	0.0445	9.6000e-004	0.0454		141.9219	141.9219	3.6800e-003		142.0139
Total	1.1730	39.3369	7.7875	0.1416	75.3387	0.1028	75.4414	18.5897	0.0983	18.6880		15,037.0435	15,037.0435	0.8832		15,059.1245

Fontana-Southridge - San Bernardino-South Coast County, Winter

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6216	0.0000	2.6216	1.3233	0.0000	1.3233			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.046 4	2,872.046 4	0.9289		2,895.268 4
Total	1.9486	20.8551	15.2727	0.0297	2.6216	0.9409	3.5624	1.3233	0.8656	2.1889	0.0000	2,872.046 4	2,872.046 4	0.9289		2,895.268 4

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.1015	39.2924	7.3204	0.1402	68.4778	0.1017	68.5795	16.9024	0.0973	16.9997		14,895.12 16	14,895.12 16	0.8796		14,917.11 06
Vendor	0.0000	0.0000	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	0.0715	0.0445	0.4671	1.4200e-003	0.1546	1.0400e-003	0.1556	0.0413	9.6000e-004	0.0422		141.9219	141.9219	3.6800e-003		142.0139
Total	1.1730	39.3369	7.7875	0.1416	68.6324	0.1028	68.7351	16.9436	0.0983	17.0419		15,037.04 35	15,037.04 35	0.8832		15,059.12 45

Fontana-Southridge - San Bernardino-South Coast County, Winter

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.7220	0.0000	6.7220	3.3932	0.0000	3.3932			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129		2,872.6910	2,872.6910	0.9291		2,895.9182
Total	1.7109	17.9359	14.7507	0.0297	6.7220	0.7749	7.4969	3.3932	0.7129	4.1061		2,872.6910	2,872.6910	0.9291		2,895.9182

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7517	26.1740	6.2374	0.1353	3.3665	0.0470	3.4136	0.9205	0.0450	0.9655		14,391.7478	14,391.7478	0.7333		14,410.0803
Vendor	0.0000	0.0000	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	0.0671	0.0401	0.4283	1.3700e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		136.5950	136.5950	3.3000e-003		136.6774
Total	0.8188	26.2141	6.6657	0.1367	3.5342	0.0481	3.5823	0.9650	0.0459	1.0109		14,528.3428	14,528.3428	0.7366		14,546.7578

Fontana-Southridge - San Bernardino-South Coast County, Winter

3.3 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6216	0.0000	2.6216	1.3233	0.0000	1.3233			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182
Total	1.7109	17.9359	14.7507	0.0297	2.6216	0.7749	3.3965	1.3233	0.7129	2.0363	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7517	26.1740	6.2374	0.1353	3.1357	0.0470	3.1828	0.8639	0.0450	0.9089		14,391.7478	14,391.7478	0.7333		14,410.0803
Vendor	0.0000	0.0000	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	0.0671	0.0401	0.4283	1.3700e-003	0.1546	1.0100e-003	0.1556	0.0413	9.3000e-004	0.0422		136.5950	136.5950	3.3000e-003		136.6774
Total	0.8188	26.2141	6.6657	0.1367	3.2903	0.0481	3.3383	0.9051	0.0459	0.9510		14,528.3428	14,528.3428	0.7366		14,546.7578

Fontana-Southridge - San Bernardino-South Coast County, Winter

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0753	2.7245	0.6537	9.7500e-003	0.2498	2.7600e-003	0.2525	0.0719	2.6400e-003	0.0746		1,029.2036	1,029.2036	0.0602		1,030.7092
Worker	0.7560	0.4516	4.8250	0.0154	1.8890	0.0114	1.9004	0.5010	0.0105	0.5115		1,538.9705	1,538.9705	0.0371		1,539.8990
Total	0.8313	3.1760	5.4788	0.0252	2.1388	0.0142	2.1530	0.5729	0.0132	0.5860		2,568.1740	2,568.1740	0.0974		2,570.6082

Fontana-Southridge - San Bernardino-South Coast County, Winter

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0753	2.7245	0.6537	9.7500e-003	0.2338	2.7600e-003	0.2365	0.0680	2.6400e-003	0.0706		1,029.2036	1,029.2036	0.0602		1,030.7092
Worker	0.7560	0.4516	4.8250	0.0154	1.7412	0.0114	1.7526	0.4647	0.0105	0.4752		1,538.9705	1,538.9705	0.0371		1,539.8990
Total	0.8313	3.1760	5.4788	0.0252	1.9750	0.0142	1.9892	0.5327	0.0132	0.5458		2,568.1740	2,568.1740	0.0974		2,570.6082

Fontana-Southridge - San Bernardino-South Coast County, Winter

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0742	2.7385	0.6302	9.7400e-003	0.2498	2.7500e-003	0.2525	0.0719	2.6200e-003	0.0745		1,028.2957	1,028.2957	0.0602		1,029.8012
Worker	0.7133	0.4089	4.4915	0.0149	1.8890	0.0113	1.9003	0.5010	0.0104	0.5114		1,489.0801	1,489.0801	0.0339		1,489.9281
Total	0.7875	3.1475	5.1217	0.0247	2.1388	0.0141	2.1529	0.5729	0.0130	0.5859		2,517.3758	2,517.3758	0.0941		2,519.7293

Fontana-Southridge - San Bernardino-South Coast County, Winter

3.4 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0742	2.7385	0.6302	9.7400e-003	0.2338	2.7500e-003	0.2365	0.0680	2.6200e-003	0.0706		1,028.2957	1,028.2957	0.0602		1,029.8012
Worker	0.7133	0.4089	4.4915	0.0149	1.7412	0.0113	1.7525	0.4647	0.0104	0.4751		1,489.0801	1,489.0801	0.0339		1,489.9281
Total	0.7875	3.1475	5.1217	0.0247	1.9750	0.0141	1.9890	0.5327	0.0130	0.5457		2,517.3758	2,517.3758	0.0941		2,519.7293

Fontana-Southridge - San Bernardino-South Coast County, Winter

3.5 Site Preparation Phase 2 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.3081	3,687.3081	1.1926		3,717.1219
Total	2.6595	27.5242	18.2443	0.0381	18.0663	1.2660	19.3323	9.9307	1.1647	11.0954		3,687.3081	3,687.3081	1.1926		3,717.1219

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0805	0.0481	0.5139	1.6400e-003	0.2012	1.2200e-003	0.2024	0.0534	1.1200e-003	0.0545		163.9140	163.9140	3.9600e-003		164.0129
Total	0.0805	0.0481	0.5139	1.6400e-003	0.2012	1.2200e-003	0.2024	0.0534	1.1200e-003	0.0545		163.9140	163.9140	3.9600e-003		164.0129

Fontana-Southridge - San Bernardino-South Coast County, Winter

3.5 Site Preparation Phase 2 - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	7.0458	1.2660	8.3119	3.8730	1.1647	5.0377	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0805	0.0481	0.5139	1.6400e-003	0.1855	1.2200e-003	0.1867	0.0495	1.1200e-003	0.0506		163.9140	163.9140	3.9600e-003		164.0129
Total	0.0805	0.0481	0.5139	1.6400e-003	0.1855	1.2200e-003	0.1867	0.0495	1.1200e-003	0.0506		163.9140	163.9140	3.9600e-003		164.0129

Fontana-Southridge - San Bernardino-South Coast County, Winter

3.6 Grading Phase 2 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.6108	0.0000	6.6108	3.3763	0.0000	3.3763			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129		2,872.6910	2,872.6910	0.9291		2,895.9182
Total	1.7109	17.9359	14.7507	0.0297	6.6108	0.7749	7.3857	3.3763	0.7129	4.0893		2,872.6910	2,872.6910	0.9291		2,895.9182

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0671	0.0401	0.4283	1.3700e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		136.5950	136.5950	3.3000e-003		136.6774
Total	0.0671	0.0401	0.4283	1.3700e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		136.5950	136.5950	3.3000e-003		136.6774

Fontana-Southridge - San Bernardino-South Coast County, Winter

3.6 Grading Phase 2 - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5782	0.0000	2.5782	1.3168	0.0000	1.3168			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182
Total	1.7109	17.9359	14.7507	0.0297	2.5782	0.7749	3.3531	1.3168	0.7129	2.0297	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0671	0.0401	0.4283	1.3700e-003	0.1546	1.0100e-003	0.1556	0.0413	9.3000e-004	0.0422		136.5950	136.5950	3.3000e-003		136.6774
Total	0.0671	0.0401	0.4283	1.3700e-003	0.1546	1.0100e-003	0.1556	0.0413	9.3000e-004	0.0422		136.5950	136.5950	3.3000e-003		136.6774

Fontana-Southridge - San Bernardino-South Coast County, Winter

3.6 Grading Phase 2 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.6108	0.0000	6.6108	3.3763	0.0000	3.3763			0.0000			0.0000
Off-Road	1.6617	17.0310	14.7594	0.0297		0.7244	0.7244		0.6665	0.6665		2,873.054 1	2,873.054 1	0.9292		2,896.284 2
Total	1.6617	17.0310	14.7594	0.0297	6.6108	0.7244	7.3352	3.3763	0.6665	4.0428		2,873.054 1	2,873.054 1	0.9292		2,896.284 2

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0633	0.0363	0.3987	1.3300e-003	0.1677	1.0000e-003	0.1687	0.0445	9.2000e-004	0.0454		132.1669	132.1669	3.0100e-003		132.2421
Total	0.0633	0.0363	0.3987	1.3300e-003	0.1677	1.0000e-003	0.1687	0.0445	9.2000e-004	0.0454		132.1669	132.1669	3.0100e-003		132.2421

Fontana-Southridge - San Bernardino-South Coast County, Winter

3.6 Grading Phase 2 - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5782	0.0000	2.5782	1.3168	0.0000	1.3168			0.0000			0.0000
Off-Road	1.6617	17.0310	14.7594	0.0297		0.7244	0.7244		0.6665	0.6665	0.0000	2,873.054 1	2,873.054 1	0.9292		2,896.284 2
Total	1.6617	17.0310	14.7594	0.0297	2.5782	0.7244	3.3026	1.3168	0.6665	1.9832	0.0000	2,873.054 1	2,873.054 1	0.9292		2,896.284 2

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0633	0.0363	0.3987	1.3300e-003	0.1546	1.0000e-003	0.1556	0.0413	9.2000e-004	0.0422		132.1669	132.1669	3.0100e-003		132.2421
Total	0.0633	0.0363	0.3987	1.3300e-003	0.1546	1.0000e-003	0.1556	0.0413	9.2000e-004	0.0422		132.1669	132.1669	3.0100e-003		132.2421

Fontana-Southridge - San Bernardino-South Coast County, Winter

3.7 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.1808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0622	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685		1,805.6205	1,805.6205	0.5673		1,819.8039

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0844	0.0484	0.5315	1.7700e-003	0.2236	1.3400e-003	0.2249	0.0593	1.2300e-003	0.0605		176.2225	176.2225	4.0100e-003		176.3229
Total	0.0844	0.0484	0.5315	1.7700e-003	0.2236	1.3400e-003	0.2249	0.0593	1.2300e-003	0.0605		176.2225	176.2225	4.0100e-003		176.3229

Fontana-Southridge - San Bernardino-South Coast County, Winter

3.7 Paving - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8814	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039
Paving	0.1808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0622	8.2730	12.2210	0.0189		0.3987	0.3987		0.3685	0.3685	0.0000	1,805.6205	1,805.6205	0.5673		1,819.8039

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0844	0.0484	0.5315	1.7700e-003	0.2061	1.3400e-003	0.2074	0.0550	1.2300e-003	0.0562		176.2225	176.2225	4.0100e-003		176.3229
Total	0.0844	0.0484	0.5315	1.7700e-003	0.2061	1.3400e-003	0.2074	0.0550	1.2300e-003	0.0562		176.2225	176.2225	4.0100e-003		176.3229

Fontana-Southridge - San Bernardino-South Coast County, Winter

3.8 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	32.8015					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	32.9823	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.1435	0.0823	0.9036	3.0000e-003	0.3800	2.2700e-003	0.3823	0.1008	2.0900e-003	0.1029		299.5782	299.5782	6.8200e-003		299.7489
Total	0.1435	0.0823	0.9036	3.0000e-003	0.3800	2.2700e-003	0.3823	0.1008	2.0900e-003	0.1029		299.5782	299.5782	6.8200e-003		299.7489

Fontana-Southridge - San Bernardino-South Coast County, Winter

3.8 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	32.8015					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	32.9823	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.1435	0.0823	0.9036	3.0000e-003	0.3503	2.2700e-003	0.3526	0.0935	2.0900e-003	0.0956		299.5782	299.5782	6.8200e-003		299.7489
Total	0.1435	0.0823	0.9036	3.0000e-003	0.3503	2.2700e-003	0.3526	0.0935	2.0900e-003	0.0956		299.5782	299.5782	6.8200e-003		299.7489

Fontana-Southridge - San Bernardino-South Coast County, Winter

3.9 Construction Phase 2 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0742	2.7385	0.6302	9.7400e-003	0.2498	2.7500e-003	0.2525	0.0719	2.6200e-003	0.0745		1,028.2957	1,028.2957	0.0602		1,029.8012
Worker	0.7133	0.4089	4.4915	0.0149	1.8890	0.0113	1.9003	0.5010	0.0104	0.5114		1,489.0801	1,489.0801	0.0339		1,489.9281
Total	0.7875	3.1475	5.1217	0.0247	2.1388	0.0141	2.1529	0.5729	0.0130	0.5859		2,517.3758	2,517.3758	0.0941		2,519.7293

Fontana-Southridge - San Bernardino-South Coast County, Winter

3.9 Construction Phase 2 - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0742	2.7385	0.6302	9.7400e-003	0.2338	2.7500e-003	0.2365	0.0680	2.6200e-003	0.0706		1,028.2957	1,028.2957	0.0602		1,029.8012
Worker	0.7133	0.4089	4.4915	0.0149	1.7412	0.0113	1.7525	0.4647	0.0104	0.4751		1,489.0801	1,489.0801	0.0339		1,489.9281
Total	0.7875	3.1475	5.1217	0.0247	1.9750	0.0141	1.9890	0.5327	0.0130	0.5457		2,517.3758	2,517.3758	0.0941		2,519.7293

Fontana-Southridge - San Bernardino-South Coast County, Winter

3.9 Construction Phase 2 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0723	2.7205	0.6065	9.6800e-003	0.2498	2.7000e-003	0.2525	0.0719	2.5800e-003	0.0745		1,022.476 6	1,022.476 6	0.0599		1,023.975 1
Worker	0.6746	0.3715	4.1493	0.0143	1.8890	0.0111	1.9001	0.5010	0.0102	0.5112		1,429.971 7	1,429.971 7	0.0307		1,430.738 7
Total	0.7469	3.0920	4.7558	0.0240	2.1388	0.0138	2.1526	0.5729	0.0128	0.5857		2,452.448 3	2,452.448 3	0.0906		2,454.713 8

Fontana-Southridge - San Bernardino-South Coast County, Winter

3.9 Construction Phase 2 - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0723	2.7205	0.6065	9.6800e-003	0.2338	2.7000e-003	0.2365	0.0680	2.5800e-003	0.0706		1,022.476 6	1,022.476 6	0.0599		1,023.975 1
Worker	0.6746	0.3715	4.1493	0.0143	1.7412	0.0111	1.7523	0.4647	0.0102	0.4749		1,429.971 7	1,429.971 7	0.0307		1,430.738 7
Total	0.7469	3.0920	4.7558	0.0240	1.9750	0.0138	1.9888	0.5327	0.0128	0.5455		2,452.448 3	2,452.448 3	0.0906		2,454.713 8

Fontana-Southridge - San Bernardino-South Coast County, Winter

3.10 Paving Phase 2 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.1808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0005	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0798	0.0440	0.4910	1.7000e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		169.2274	169.2274	3.6300e-003		169.3182
Total	0.0798	0.0440	0.4910	1.7000e-003	0.2236	1.3100e-003	0.2249	0.0593	1.2100e-003	0.0605		169.2274	169.2274	3.6300e-003		169.3182

Fontana-Southridge - San Bernardino-South Coast County, Winter

3.10 Paving Phase 2 - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.1808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0005	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0798	0.0440	0.4910	1.7000e-003	0.2061	1.3100e-003	0.2074	0.0550	1.2100e-003	0.0562		169.2274	169.2274	3.6300e-003		169.3182
Total	0.0798	0.0440	0.4910	1.7000e-003	0.2061	1.3100e-003	0.2074	0.0550	1.2100e-003	0.0562		169.2274	169.2274	3.6300e-003		169.3182

Fontana-Southridge - San Bernardino-South Coast County, Winter

3.11 Architectural Coating Phase 2 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	32.8015					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	32.9724	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.1357	0.0747	0.8348	2.8800e-003	0.3800	2.2300e-003	0.3823	0.1008	2.0500e-003	0.1028		287.6866	287.6866	6.1700e-003		287.8409
Total	0.1357	0.0747	0.8348	2.8800e-003	0.3800	2.2300e-003	0.3823	0.1008	2.0500e-003	0.1028		287.6866	287.6866	6.1700e-003		287.8409

Fontana-Southridge - San Bernardino-South Coast County, Winter

3.11 Architectural Coating Phase 2 - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	32.8015					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	32.9724	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.1357	0.0747	0.8348	2.8800e-003	0.3503	2.2300e-003	0.3525	0.0935	2.0500e-003	0.0955		287.6866	287.6866	6.1700e-003		287.8409
Total	0.1357	0.0747	0.8348	2.8800e-003	0.3503	2.2300e-003	0.3525	0.0935	2.0500e-003	0.0955		287.6866	287.6866	6.1700e-003		287.8409

4.0 Operational Detail - Mobile

Fontana-Southridge - San Bernardino-South Coast County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.4845	7.7299	24.2513	0.0842	8.2516	0.0713	8.3229	2.2050	0.0670	2.2720		8,809.3370	8,809.3370	0.5536		8,823.1767
Unmitigated	2.4845	7.7299	24.2513	0.0842	8.2516	0.0713	8.3229	2.2050	0.0670	2.2720		8,809.3370	8,809.3370	0.5536		8,823.1767

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,135.00	1,135.00	1135.00	3,878,467	3,878,467
City Park	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Recreational Swimming Pool	0.00	0.00	0.00		
Total	1,135.00	1,135.00	1,135.00	3,878,467	3,878,467

4.3 Trip Type Information

Fontana-Southridge - San Bernardino-South Coast County, Winter

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Recreational Swimming Pool	16.60	8.40	6.90	33.00	48.00	19.00	52	39	9

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784
City Park	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784
Other Non-Asphalt Surfaces	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784
Parking Lot	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784
Recreational Swimming Pool	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Fontana-Southridge - San Bernardino-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0465	0.3972	0.1690	2.5400e-003		0.0321	0.0321		0.0321	0.0321		507.0470	507.0470	9.7200e-003	9.3000e-003	510.0601
NaturalGas Unmitigated	0.0678	0.5790	0.2464	3.7000e-003		0.0468	0.0468		0.0468	0.0468		739.1080	739.1080	0.0142	0.0136	743.5001

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	6282.42	0.0678	0.5790	0.2464	3.7000e-003		0.0468	0.0468		0.0468	0.0468		739.1080	739.1080	0.0142	0.0136	743.5001
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
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0678	0.5790	0.2464	3.7000e-003		0.0468	0.0468		0.0468	0.0468		739.1080	739.1080	0.0142	0.0136	743.5001

Fontana-Southridge - San Bernardino-South Coast County, Winter

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	4.3099	0.0465	0.3972	0.1690	2.5400e-003		0.0321	0.0321		0.0321	0.0321		507.0470	507.0470	9.7200e-003	9.3000e-003	510.0601
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
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0465	0.3972	0.1690	2.5400e-003		0.0321	0.0321		0.0321	0.0321		507.0470	507.0470	9.7200e-003	9.3000e-003	510.0601

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

No Hearths Installed

Fontana-Southridge - San Bernardino-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.7648	0.1473	12.7862	6.8000e-004		0.0709	0.0709		0.0709	0.0709	0.0000	23.0484	23.0484	0.0221	0.0000	23.6011
Unmitigated	44.3804	3.3633	91.6117	0.2018		11.9111	11.9111		11.9111	11.9111	1,451.8724	2,813.0484	4,264.9207	4.3519	0.0985	4,403.0833

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	0.2735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.1068					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	40.6156	3.2160	78.8255	0.2011		11.8402	11.8402		11.8402	11.8402	1,451.8724	2,790.0000	4,241.8724	4.3298	0.0985	4,379.4822
Landscaping	0.3846	0.1473	12.7862	6.8000e-004		0.0709	0.0709		0.0709	0.0709		23.0484	23.0484	0.0221		23.6011
Total	44.3804	3.3633	91.6117	0.2018		11.9111	11.9111		11.9111	11.9111	1,451.8724	2,813.0484	4,264.9207	4.3519	0.0985	4,403.0833

Fontana-Southridge - San Bernardino-South Coast County, Winter

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	0.2735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.1068					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.3846	0.1473	12.7862	6.8000e-004		0.0709	0.0709		0.0709	0.0709		23.0484	23.0484	0.0221		23.6011
Total	3.7648	0.1473	12.7862	6.8000e-004		0.0709	0.0709		0.0709	0.0709	0.0000	23.0484	23.0484	0.0221	0.0000	23.6011

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

Fontana-Southridge - San Bernardino-South Coast County, Winter

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation
