



Appendix A-1

Air Quality Assessment

Air Quality Assessment
2720 Willow Avenue
Warehouse Project
City of Rialto, 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 2720 Willow Avenue Warehouse Project (Project). The purpose of this analysis is to identify the air quality emissions associated with construction and operations of the Project, located in the City of Rialto, California.

1.1 Project Location

The Project site is located at 2720 Willow Avenue in the City of Rialto (City), San Bernardino County, California. The Project site encompasses approximately 5.63 acres and is generally bound by industrial uses to the north; Willow Avenue to the east; industrial uses to the south; and vacant land to the west; refer to **Exhibit 1: Regional Vicinity** and **Exhibit 2: Site Vicinity**. The Project site is zoned Medium Industrial (Agua Mansa Industrial Corridor Specific Plan) and located within the General Industrial land use designation in the City's General Plan.

1.2 Project Description

The Project site is currently occupied by two warehouse buildings totaling approximately 44,500 square feet, as well as a vacant field covering approximately 1.68 acres. The Project proposes to demolish the existing warehouse buildings to construct an approximate 118,000 square foot warehouse building with potential office space, parking, and landscaping; refer to **Exhibit 3: Site Plan**. The warehouse building would include 111,000 square feet of warehouse space and 7,000 sf of ancillary office space, the latter on two levels, and 16 dock doors. Employee parking and landscaping would be provided along the property boundaries and building frontages. The Project would provide 89 parking stalls. Trucks and passenger vehicles would access the Project site from two driveways, both of which are located on Willow Avenue.

Hours of Operation

The tenant(s) of the warehouse facility has not been identified; therefore, the precise nature of facility operations cannot be determined at this time. Any future occupant would be required to adhere to the pertinent City regulations. For the purposes of this analysis, the hours of operation are assumed to be 7 days a week, 24 hours per day.

Off-Site Improvements

Project implementation would require construction of new on-site utility infrastructure. The Project would connect utilities to existing utility infrastructure in adjacent roadways, with the final sizing and design of on-site facilities occurring during final building design and plan check. The Project would also complete the remaining half-width improvements of Willow Avenue along the Project frontage, consistent with the Specific Plan cross-section for Collector Streets. This would include two 11-foot lanes and a 4-foot sidewalk.

Construction Activities

Construction of the Project is anticipated to begin in September 2024 with a construction duration of approximately 11 months. Construction of the Project would require the following phases: demolition site

preparation, grading, infrastructure improvements, paving, building construction, and architectural coatings. Earthwork would be balanced on-site.

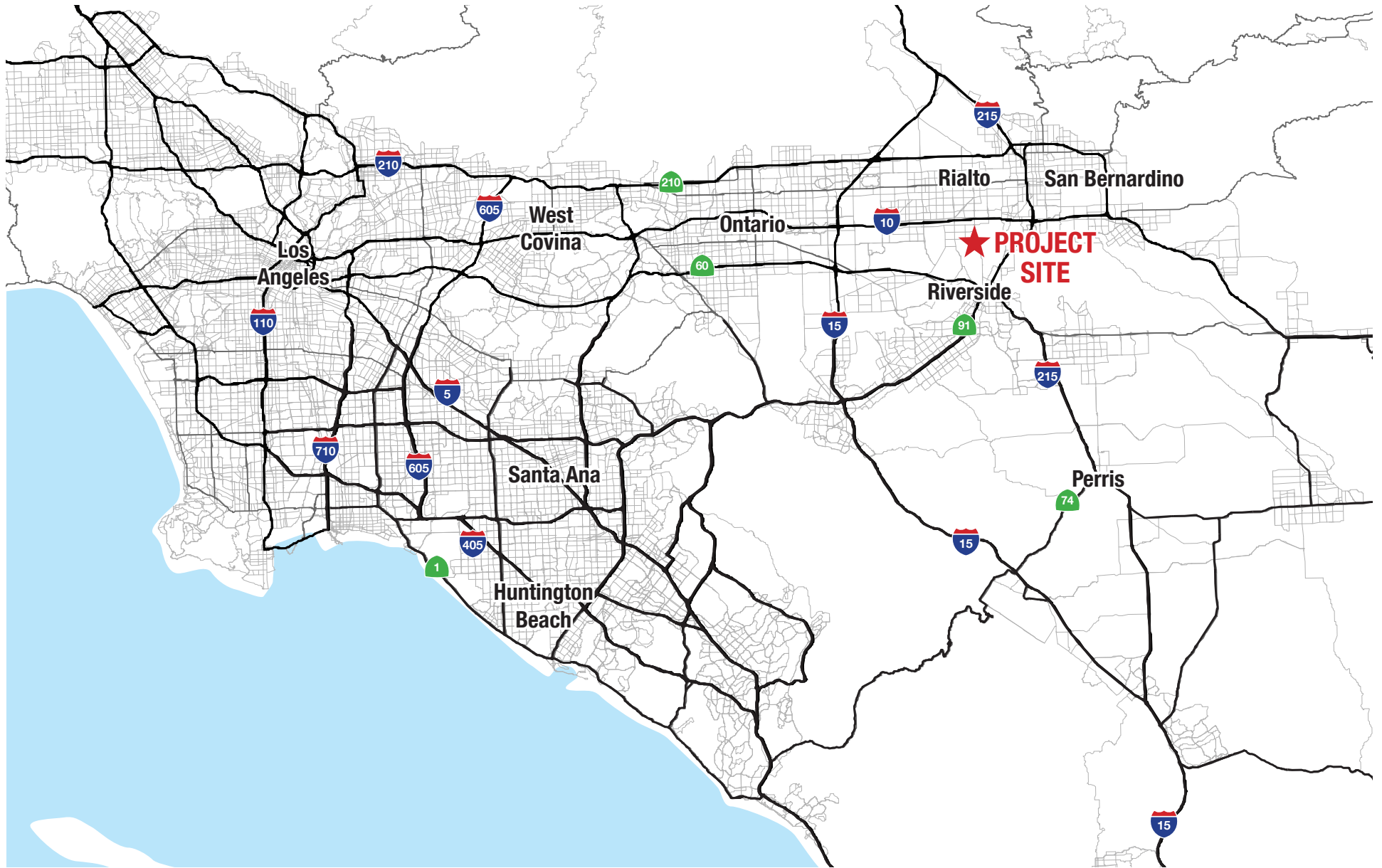


EXHIBIT 1: Regional Vicinity
2720 Willow Avenue Warehouse Project
City of Rialto

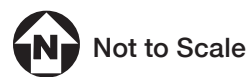
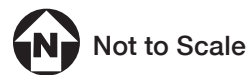
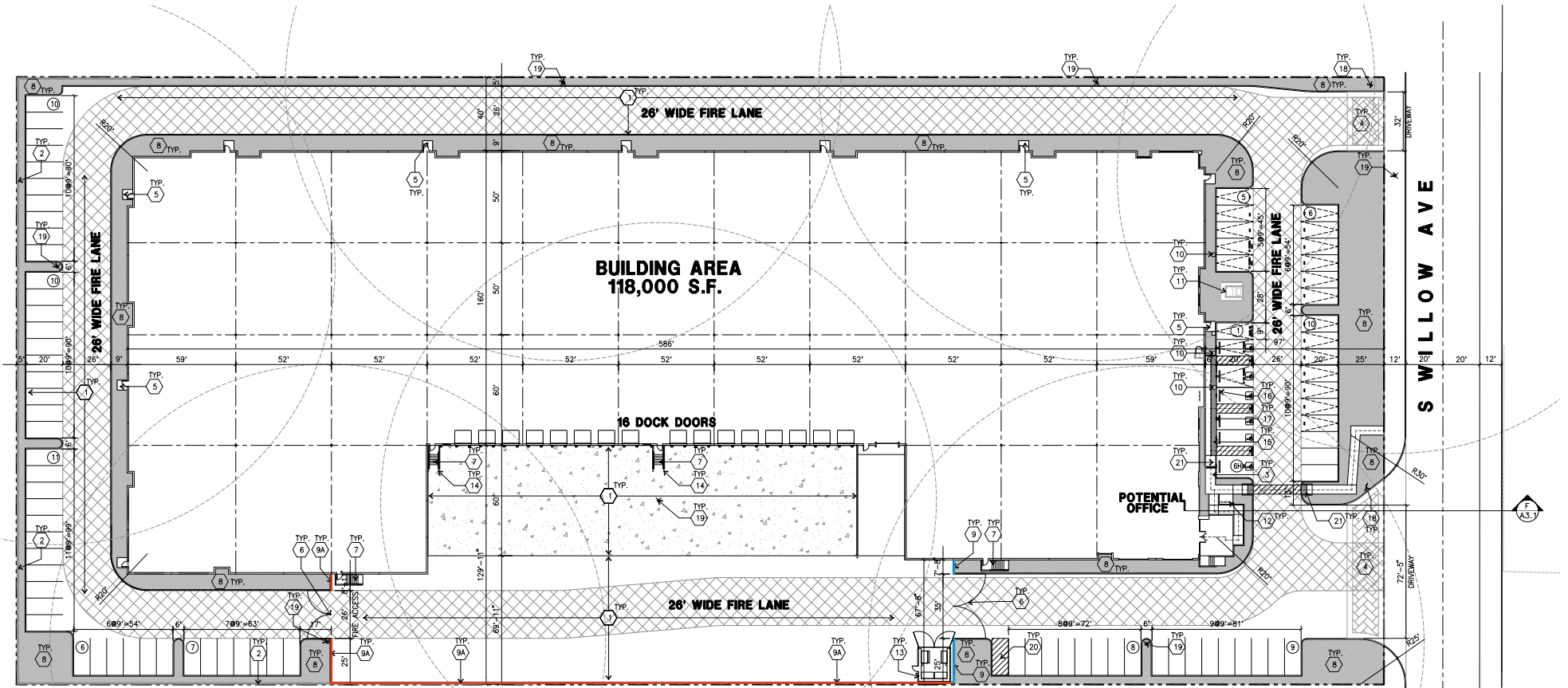




EXHIBIT 2: Site Vicinity
2720 Willow Avenue Warehouse Project
City of Rialto





SITE LEGEND

- LANDSCAPED AREA
- CONCRETE PAVING
SEE "C" DRWGS.
FOR THICKNESS
- 26' FIRE WIDE FIRELANE
- ELECTRIC VEHICLE PARKING
WITH EVSE (9' X 20')
- FIRE HYDRANTS
- STANDARD PARKING
STALL (9' X 20')
- HANDICAP PARKING
STALL (9' X 20')
- PATH OF TRAVEL
- CLEAN AIR/VAN POOL/EV
STALL (9' X 20')

FENCE/WALL LEGEND

- 14' CONCRETE TILT UP SCREEN WALL
- 8' HIGH STEEL FENCE

2 ENVIRONMENTAL SETTING

2.1 Climate and Meteorology

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

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

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

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

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

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

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

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

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

2.2 Air Pollutants of Concern

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

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

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

| Pollutant | Major Man-Made Sources | Human Health Effects |
|--|--|--|
| | the phase out of leaded gasoline, metals processing is the major source of lead emissions to the air today. The highest levels of lead in air are generally found near lead smelters. Other stationary sources are waste incinerators, utilities, and lead-acid battery manufacturers. | may cause neurological impairments such as seizures, mental retardation, and behavioral disorders. Even at low doses, lead exposure is associated with damage to the nervous systems of fetuses and young children, resulting in learning deficits and lowered IQ. |
| Notes: | | |
| ¹ Volatile Organic Compounds (VOCs or Reactive Organic Gases [ROG]) are hydrocarbons/organic gases that are formed solely of hydrogen and carbon. There are several subsets of organic gases including ROG and VOCs. Both ROG and VOCs are emitted from the incomplete combustion of hydrocarbons or other carbon-based fuels. The major sources of hydrocarbons are combustion engine exhaust, oil refineries, and oil-fueled power plants; other common sources are petroleum fuels, solvents, dry cleaning solutions, and paint (via evaporation). | | |
| Source: California Air Pollution Control Officers Association (CAPCOA), <i>Health Effects</i> , http://www.capcoa.org/health-effects/ , accessed January 2023. | | |

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 ambient air quality levels, 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 San Bernardino – 4th Street Monitoring Station (located approximately 6.5 miles to the northwest). Local air quality data from 2019 to 2021 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 Pollutant¹ | 2019 | 2020 | 2021 |
| Ozone (O₃) | | | |
| 1-hour Maximum Concentration (ppm) | 0.127 | 0.162 | 0.142 |
| 8-hour Maximum Concentration (ppm) | 0.115 | 0.129 | 0.113 |
| <i>Number of Days Standard Exceeded</i> | | | |
| CAAQS 1-hour (>0.09 ppm) | 63 | 89 | 66 |
| NAAQS 8-hour (>0.070 ppm) | 96 | 130 | 98 |
| Carbon Monoxide (CO) | | | |
| 1-hour Maximum Concentration (ppm) | 1.2901 | 1.9068 | 1.9656 |
| <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-hour Maximum Concentration (ppm) | 59.3 | 54.0 | 56.3 |
| <i>Number of Days Standard Exceeded</i> | | | |
| NAAQS 1-hour (>100 ppm) | 0 | 0 | 0 |
| CAAQS 1-hour (>0.18 ppm) | 0 | 0 | 0 |
| Particulate Matter Less Than 10 Microns (PM₁₀) | | | |
| National 24-hour Maximum Concentration | 112.7 | 174.8 | 182.4 |
| State 24-hour Maximum Concentration | 92.2 | 100.8 | 71.2 |
| State Annual Average Concentration (CAAQS=20 µg/m ³) | 30.5 | — | 31.7 |
| <i>Number of Days Standard Exceeded</i> | | | |
| NAAQS 24-hour (>150 µg/m ³) | 0 | 1 | 1 |
| CAAQS 24-hour (>50 µg/m ³) | 4 | 8 | 4 |
| Particulate Matter Less Than 2.5 Microns (PM_{2.5}) | | | |
| National 24-hour Maximum Concentration | 60.5 | 56.6 | 57.9 |
| State 24-hour Maximum Concentration | 60.5 | 56.6 | 57.9 |
| <i>Number of Days Standard Exceeded</i> | | | |
| NAAQS 24-hour (>35 µg/m ³) | 1 | 2 | 1 |
| 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 San Bernardino – 4 th Street Monitoring Station at 24302 4th Street, San Bernardino, California, 92410 (CARB#36203) | | | |
| Source: All pollutant measurements are from the CARB Aerometric Data Analysis and Management system database (https://www.arb.ca.gov/adam) except for CO, which were retrieved from the CARB Air Quality and Meteorological Information System (https://www.arb.ca.gov/aqmis2/aqdselect.php). | | | |

2.3 Sensitive Receptors

Sensitive populations are more susceptible to the effects of air pollution than is the general population. Sensitive receptors that are in proximity to localized sources of toxics are of particular concern. Land uses considered sensitive receptors include residences, schools, playgrounds, childcare centers, long-term health care facilities, rehabilitation centers, convalescent centers, and retirement homes. The nearest sensitive receptors to the Project site are the single-family residences located approximately 550 feet to the south.

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 (SIP) 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 NAAQS are summarized in **Table 3: State and Federal Ambient Air Quality Standards**.

3.2 State of California

California Air Resources Board

CARB administers the air quality policy in California. The California Ambient Air Quality Standards (CAAQS) were established in 1969 pursuant to the Mulford-Carrell Act. These standards, included with the NAAQS in **Table 3**, are generally more stringent and apply to more pollutants than the NAAQS. In addition to the criteria pollutants, CAAQS have been established for visibility reducing particulates, hydrogen sulfide, and sulfates.

The California Clean Air Act (CCAA), which was approved in 1988, requires that each local air district prepare and maintain an Air Quality Management Plan (AQMP) to achieve compliance with CAAQS. These AQMPs also serve as the basis for the preparation of the SIP for meeting federal clean air standards for the State of California. Like the EPA, CARB also designates areas within California as either attainment or nonattainment for each criteria pollutant based on whether the CAAQS have been achieved. Under the CCAA, areas are designated as nonattainment for a pollutant if air quality data shows that a State standard for the pollutant was violated at least once during the previous three calendar years. Exceedances that are affected by highly irregular or infrequent events such as wildfires, volcanoes, etc. are not considered violations of a State standard, and are not used as a basis for designating areas as nonattainment. The applicable State standards are summarized in **Table 3**.

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

Notes:

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

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

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

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

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

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

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

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

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

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

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

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

Source: South Coast Air Quality Management District, *Air Quality Management Plan, 2022*; 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. Specifically, the 2016 AQMP covers the following federal standards: 1979 1-hour O₃ NAAQS, 1997 8-hour O₃ NAAQS, 2006 24-hour PM_{2.5} NAAQS, 2008 8-hour O₃ NAAQS, and the 2012 annual PM_{2.5} NAAQS.

On October 1, 2015, the EPA strengthened the NAAQS for ground-level O₃. The 2022 AQMP, adopted by the SCAQMD Governing Board on December 2, 2022, was developed to address the requirements for meeting the 2015 8-hour O₃ standard. The 2022 AQMP builds upon measures already in place from previous AQMPs. It also includes a variety of additional strategies such as regulation, accelerated deployment of available cleaner technologies (e.g., zero emissions technologies, when cost-effective and feasible, and low NO_x technologies in other applications), best management practices, co-benefits from existing programs (e.g., climate and energy efficiency), incentives, and other FCAA measures to achieve the 2015 8-hour ozone standard. The 2022 AQMP incorporates the latest scientific and technological information and planning assumptions, including the *2020-2045 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 Localized Significance Thresholds [LSTs] in 2008). The SCAQMD guidance helps local government agencies and consultants to develop environmental documents required by California Environmental Quality Act (CEQA) and provides identification of suggested thresholds of significance for criteria pollutants for both construction and operation (see discussion of thresholds below). With the help of the *CEQA Air Quality Handbook* and associated guidance, local land use planners and consultants are able to analyze and document how proposed and existing projects affect air quality in order to meet the requirements of the CEQA review process. The SCAQMD periodically provides supplemental guidance and updates to the handbook on their website.

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

The State and federal attainment status designations for the SCAB are summarized in **Table 4: South Coast Air Basin Attainment Status**. The SCAB is currently designated as a nonattainment area for 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.

| Table 4: South Coast Air Basin Attainment Status | | |
|---|----------------|---------------------------|
| Pollutant | State | Federal |
| Ozone (O ₃) (1 Hour Standard) | Non-Attainment | Non-Attainment (Extreme) |
| Ozone (O ₃) (8 Hour Standard) | Non-Attainment | Non-Attainment (Extreme) |
| Particulate Matter (PM _{2.5}) (24 Hour Standard) | – | Non-Attainment (Serious) |
| Particulate Matter (PM _{2.5}) (Annual Standard) | Non-Attainment | Non-Attainment (Serious) |
| 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*, 2022; United States Environmental Protection Agency, *Nonattainment Areas for Criteria Pollutants (Green Book)*, 2022.

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

- **Rule 402 (Nuisance)** – This rule prohibits the discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health, or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property. This rule does not apply to odors emanating from agricultural operations necessary for the growing of crops or the raising of fowl or animals.
- **Rule 403 (Fugitive Dust)** – This rule requires fugitive dust sources to implement best available control measures for all sources, and all forms of visible particulate matter are prohibited from crossing any property line. This rule is intended to reduce PM₁₀ emissions from any transportation, handling, construction, or storage activity that has the potential to generate fugitive dust. PM₁₀ suppression techniques are summarized below.
 - a) Portions of a construction site to remain inactive longer than a period of three months will be seeded and watered until grass cover is grown or otherwise stabilized.
 - b) All on-site roads will be paved as soon as feasible or watered periodically or chemically stabilized.
 - c) All material transported off-site will be either sufficiently watered or securely covered to prevent excessive amounts of dust.
 - d) The area disturbed by clearing, grading, earthmoving, or excavation operations will be minimized at all times.
 - e) Where vehicles leave a construction site and enter adjacent public streets, the streets will be swept daily or washed down at the end of the work day to remove soil tracked onto the paved surface.
- **Rule 1113 (Architectural Coatings)** – This rule requires manufacturers, distributors, and end users of architectural and industrial maintenance coatings to reduce ROG emissions from the use of these coatings, primarily by placing limits on the ROG content of various coating categories.
- **Rule 2305 (Warehouse Indirect Source Rule)** - Rule 2305 was adopted by the SCAQMD Governing Board on May 7, 2021 to reduce NO_x and particulate matter emissions associated with warehouses and mobile sources attracted to warehouses. This rule applies to all existing and proposed warehouses over 100,000 square feet located in the SCAQMD. Rule 2305 requires warehouse operators to track annual vehicle miles traveled associated with truck trips to and from the warehouse. These trip miles are used to calculate the warehouses WAIRE (Warehouse Actions and Investments to Reduce Emissions) Points Compliance Obligation. WAIRE Points are earned based on emission reduction measures and warehouse operators are required to submit an annual WAIRE Report which includes truck trip data and emission reduction measures. Reduction strategies listed in the WAIRE menu include acquire zero emission (ZE) or near zero emission (NZE) trucks; require ZE/NZE truck visits; require ZE yard trucks; install on-site ZE charging/fueling infrastructure; install onsite energy systems; and install filtration systems in residences, schools, and other buildings in the adjacent community. Warehouse operators that

do not earn a sufficient number of WAIRE points to satisfy the WAIRE Points Compliance Obligation would be required to pay a mitigation fee. Funds from the mitigation fee will be used to incentivize the purchase of cleaner trucks and charging/fueling infrastructure in communities nearby.

3.4 Local

City of Rialto General Plan

The *City of Rialto General Plan* (General Plan) identifies goals that will improve air quality within the City in Chapter 2, *Managing Our Land Supply*. Goals and policies that relate to air quality impacts include the following:

Goal 2-35: Reduce air pollution emissions from both mobile and stationary sources in the City.

Policy 2-35.2: Require that new development projects incorporate design features that encourage ridesharing, transit use, park and ride facilities, and bicycle and pedestrian circulation.

Policy 2-35.3: Establish a balanced land use pattern, and facilitate developments that provide jobs for City residents in order to reduce vehicle trips citywide.

Policy 2-35.4: Require new development and significant redevelopment proposals to incorporate sufficient design and operational controls to prevent release of noxious odors beyond the limits of the development site.

Goal 2-36: Reduce the amount of fugitive dust released into the atmosphere.

Policy 2-36.1: Put conditions on discretionary permits to require fugitive dust controls.

Policy 2-36.3: Enforce regulations that do not allow vehicles to transport aggregate or similar material upon a roadway unless the material is stabilized or covered.

4 SIGNIFICANCE CRITERIA AND METHODOLOGY

4.1 Air Quality Thresholds

Based upon the criteria derived from State CEQA Guidelines Appendix G, 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 a Project would violate any ambient air quality standard, contribute substantially to an existing or projected air quality violation, or expose sensitive receptors to substantial pollutant concentrations. The SCAQMD has established thresholds of significance for air quality during construction and operational activities of land use development projects, as shown in **Table 5: South Coast Air Quality Management District Emissions Thresholds**.

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

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

Localized Carbon Monoxide

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

Localized Significance Thresholds

In addition to the CO hotspot analysis, the SCAQMD developed localized significance thresholds (LSTs) for emissions of NO₂, CO, PM₁₀, and PM_{2.5} generated at new development sites (off-site mobile source

emissions are not included in the LST analysis). LSTs represent the maximum emissions that can be generated at a project without expecting to cause or substantially contribute to an exceedance of the most stringent state or federal ambient air quality standards. LSTs are based on the ambient concentrations of that pollutant within the Project source receptor area (SRA), as demarcated by the SCAQMD, and the distance to the nearest sensitive receptor. LST analysis for construction is applicable for all projects that disturb 5 acres or less on a single day. The City of Rialto is located within SCAQMD SRA 34. The nearest sensitive receptors are located approximately 550 feet from the Project site (approximately 168 meters). LSTs associated with the 100-meter threshold are provided in **Table 6: Local Significance Thresholds for Construction/Operations** for informational purposes and to demonstrate that the thresholds increase as acreages increase.

| Table 6: Local Significance Thresholds for Construction/Operations | | | | |
|--|------------------------|-------------|------------------|-------------------|
| Project Size | Maximum Pounds Per Day | | | |
| | NO _x | CO | PM ₁₀ | PM _{2.5} |
| 1 Acre | 211/211 | 2,141/2,141 | 33/8 | 9/3 |
| 2 Acres | 263/263 | 2,738/2,738 | 42/10 | 12/3 |
| 5 Acres | 378/378 | 4,142/4,142 | 65/15 | 17/5 |

NO_x = Nitrogen Oxides; CO = Carbon Monoxide; PM₁₀ = Particulate Matter 10 microns in diameter or less; PM_{2.5} = Particulate Matter 2.5 microns in diameter or less
 Note: Based on a receptor distance of 100 meters in SRA 34.
 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 off-site electrify generation), 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 Project vehicle trip generation was obtained from the *Vehicles Miles Traveled Memorandum for 2720 Willow Avenue Warehouse Project* (VMT Memo) prepared by Kimley-Horn (dated October 17, 2022). According to the VMT Memo, the Project would generate 205 total daily vehicle trips, which includes 82 daily truck trips.

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

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 SIP that demonstrates the means to attain the federal standards. The SIP 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 and 2022 AQMPs (AQMPs). The AQMPs establish a program of rules and regulations directed at reducing air pollutant emissions and achieving state (California) and national air quality standards. The AQMPs are a regional and multi-agency effort including the SCAQMD, the CARB, the SCAG, and the EPA. The plan's pollutant control strategies are based on the latest scientific and technical information and planning assumptions, including SCAG's 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 AQMPs.

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

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

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

The violations to which Consistency Criterion No. 1 refers are CAAQS and NAAQS. As shown in **Table 7: Construction-Related Emissions** and **Table 8: Operational Emissions**, the Project would not exceed construction or operation emission standards. Therefore, the Project would not contribute to an existing air quality violation. Thus, the Project is consistent with the first criterion.

Concerning Consistency Criterion No. 2, the AQMPs 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 is consistent with the land use

designation and development density presented in the City's General Plan and Agua Mansa Industrial Corridor Specific Plan, and therefore would not exceed the population or job growth projections used by the SCAQMD to develop the AQMPs. Thus, the Project is consistent with the second criterion.

Based on these criteria, the Project would not conflict with or obstruct implementation of the AQMPs and impacts would be less than significant.

Mitigation Measures: No mitigation is required.

Level of Significance: Less than significant impact.

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

Construction Emissions

Construction associated with the Project would generate short-term emissions of criteria air pollutants. The criteria pollutants of primary concern within the Project area include 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.

Construction activities associated with the Project are estimated to be completed within 11 months. Construction-generated emissions associated the Project were calculated using the CARB-approved CalEEMod computer program, which is designed to model emissions for land use development projects, based on typical construction requirements. See **Appendix A: Air Quality Modeling Data** for more information regarding the construction assumptions used in this analysis. Predicted maximum daily construction-generated emissions for the Project are summarized in in **Table 7: Construction-Related Emissions**.

Fugitive dust emissions may have a substantial, temporary impact on local air quality. In addition, fugitive dust may be a nuisance to those living and working in the Project vicinity. Uncontrolled dust from construction can become a nuisance and potential health hazard to those living and working nearby. SCAQMD Rules 402 and 403 (prohibition of nuisances, watering of inactive and perimeter areas, track out requirements, etc.), are applicable to the Project and were applied in CalEEMod to minimize fugitive dust emissions. Rule 1113 provides specifications on painting practices and regulates the ROG content of paint. The Project would be required to comply with SCAQMD rules and regulations, including SCAQMD Rules 402, 403, and 1113. As shown in **Table 7**, construction emissions would not exceed SCAQMD threshold for all criteria pollutants. Therefore, impacts would be less than significant.

| Table 7: Construction-Related Emissions | | | | | | |
|--|------------------------|-----------------|--------------|-----------------|------------------|-------------------|
| Construction Year | Maximum Pounds Per Day | | | | | |
| | ROG | NO _x | CO | SO ₂ | PM ₁₀ | PM _{2.5} |
| Year 1 (2024) | 2.73 | 27.22 | 20.27 | 0.04 | 8.70 | 4.93 |
| Year 2 (2025) | 29.41 | 35.45 | 49.81 | 0.09 | 5.43 | 3.06 |
| <i>Maximum Emissions</i> | <i>29.41</i> | <i>35.45</i> | <i>49.81</i> | <i>0.09</i> | <i>8.70</i> | <i>4.93</i> |
| SCAQMD Thresholds | 75 | 100 | 550 | 150 | 150 | 55 |
| Exceed SCAQMD Threshold? | No | No | No | No | No | No |
| ROG = Reactive Organic Gases; NO _x = Nitrogen Oxides; CO = Carbon Monoxide; SO ₂ = Sulfur Dioxide; PM ₁₀ = Particulate Matter 10 microns in diameter or less; PM _{2.5} = Particulate Matter 2.5 microns in diameter or less | | | | | | |
| Notes: SCAQMD Rule 403 Fugitive Dust applied. The Rule 403 reduction/credits include the following: properly maintain mobile and other construction equipment; water exposed surfaces three times 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. | | | | | | |
| Source: CalEEMod version 2020.4.0. Refer to Appendix A for model outputs. | | | | | | |

Operational Emissions

The Project’s operational emissions would be associated with area sources (e.g. landscape maintenance equipment, architectural coatings, off-road equipment, etc.), energy sources, mobile sources (i.e., motor vehicle use), and off-road equipment. Primary sources of operational criteria pollutants are from motor vehicle use and area sources. Long-term operational emissions attributable to the Project are summarized in **Table 8: Operational Emissions**. The operational emissions sources are described below.

- *Area Source Emissions.* Area source emissions would be generated due to on-site equipment, architectural coating, and landscape maintenance equipment.
- *Energy Source Emissions.* Energy source emissions would be generated due to electricity and natural gas usage associated with the Project. Primary uses of electricity and natural gas by the Project would be for miscellaneous warehouse equipment, space heating and cooling, water heating, ventilation, lighting, appliances, and electronics.
- *Mobile Source Emissions.* 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 VMT Memo and have been incorporated into CalEEMod, as recommended by the SCAQMD. Per the VMT Memo, the Project would generate 205 total daily vehicle trips, which includes 82 daily truck trips. It should be noted that this analysis conservatively does not account for emissions reductions associated with trips generated by the existing warehouse use.

- *Off-Road Equipment Emissions.* Operational off-road emissions would be generated by off-road cargo handling equipment used during operational activities. Although the Project is a speculative warehouse development and the final end user is not known, it was

conservatively assumed that the Project would include two diesel forklifts and one diesel yard truck per SCAQMD data².

- **Emergency Backup Generators.** As the Project warehouse is speculative, it is unknown whether emergency backup generators would be used. Backup generators would only be used in the event of a power failure and would not be part of the Project's normal daily operations. Nonetheless, emissions associated with this equipment were included to be conservative. Emissions from an emergency backup generator for the warehouse building was calculated separately from CalEEMod; refer to **Appendix A**. However, CalEEMod default emissions rates were used. If backup generators are required, the end user would be required to obtain a permit from the SCAQMD prior to installation. Emergency backup generators must meet SCAQMD's Best Available Control Technology (BACT) requirements and comply with SCAQMD Rule 1470 (Requirements for Stationary Diesel-Fueled Internal Combustion and Other Compression Ignition Engines), which would minimize emissions.

| Table 8: Operational Emissions | | | | | | |
|---|------------------------|-----------------|--------------|-----------------|------------------|-------------------|
| Source | Maximum Pounds Per Day | | | | | |
| | ROG | NO _x | CO | SO ₂ | PM ₁₀ | PM _{2.5} |
| Area | 2.67 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 |
| Energy | 0.01 | 0.06 | 0.05 | 0.00 | 0.00 | 0.00 |
| Mobile – Trucks | 0.20 | 12.17 | 2.90 | 0.07 | 2.61 | 0.82 |
| Mobile – Passenger Cars | 0.39 | 0.37 | 5.26 | 0.01 | 1.57 | 0.42 |
| Off-Road ² | 0.64 | 5.78 | 7.32 | 0.01 | 0.29 | 0.27 |
| Emergency Generators | 1.69 | 4.71 | 4.30 | 0.01 | 0.25 | 0.25 |
| <i>Total Emissions</i> | <i>5.59</i> | <i>23.10</i> | <i>19.85</i> | <i>0.10</i> | <i>4.72</i> | <i>1.76</i> |
| SCAQMD Thresholds | 55 | 55 | 550 | 150 | 150 | 55 |
| Exceed SCAQMD Threshold? | No | No | No | No | No | No |
| ROG = Reactive Organic Gases; NO _x = Nitrogen Oxides; CO = Carbon Monoxide; SO ₂ = Sulfur Dioxide; PM ₁₀ = Particulate Matter 10 microns in diameter or less; PM _{2.5} = Particulate Matter 2.5 microns in diameter or less | | | | | | |
| Note: Total values are from CalEEMod and may not add up 100% due to rounding. | | | | | | |
| 1. The highest values between summer and winter results were used as a worst-case scenario. | | | | | | |
| 2. Off-road emissions include one yard truck and two forklifts. Emissions were calculated with CARB OFFROAD 1.0.2. | | | | | | |
| Source: CalEEMod version 2020.4.0. Refer to Appendix A for model outputs. | | | | | | |

Operational Emissions Summary

As shown in **Table 8**, and discussed above, operational (i.e., area, energy, mobile, off-road, and emergency generators) emissions would not exceed SCAQMD thresholds for all criteria pollutants. Pursuant to SCAQMD Rule 2305, all warehouses over 100,000 square feet are required to implement various emission reduction measures related to warehouse operations and mobile sources. Compliance with SCAQMD Rule 2305 would further reduce criteria pollutants, specifically NO_x and particulate matter emissions. Therefore, the Project would not violate any air quality standards or contribute substantially to an existing or projected air quality violation. As a result, operational air quality impacts would be less than significant.

² SCAQMD, *High Cube Warehouse Truck Trip Study White Paper Summary of Business Survey Results*, June 2014.

Cumulative Construction Emissions

The SCAB is designated nonattainment for O₃, PM₁₀, and PM_{2.5} for State standards and nonattainment for O₃ and PM_{2.5} for Federal standards. The SCAQMD's *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution* 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.³ The mass-based regional significance thresholds published by the SCAQMD are designed to ensure compliance with both NAAQS and CAAQS and are based on an inventory of projected emissions in the SCAB. Therefore, if a project is estimated to result in emissions that do not exceed the thresholds, the project's contribution to the cumulative impact on air quality in the SCAB would not be cumulatively considerable. As shown in **Table 7** above, Project construction-related emissions would not exceed the SCAQMD significance thresholds for criteria pollutants. Therefore, the proposed Project would not generate a cumulatively considerable contribution to air pollutant emissions during construction.

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

Cumulative Operational Impacts

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

Table 8 shows that the Project operational emissions would not exceed the SCAQMD thresholds. As a result, operational emissions associated with the Project would not represent a cumulatively considerable contribution to significant cumulative air quality impacts. Therefore, cumulative operational impacts would be less than significant.

Furthermore, compliance with SCAQMD Rule 2305 (Warehouse Indirect Source Rule) is required for all existing and proposed warehouses greater than 100,000 square feet. Warehouse operators are required to implement additional emission reduction strategies or pay mitigation fee to reduce emissions. Compliance with Rule 2305 would reduce Project emissions below what is currently analyzed and also reduce cumulative emissions.

³ SCAQMD, *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution*, Appendix D, 2003.

Conclusion

The Project's emissions would not exceed the SCAQMD thresholds during both construction and operations. Thus, the impact would not be cumulatively considerable.

Mitigation Measures: No mitigation is required.

Level of Significance: Less than significant impact.

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

Localized Construction Significance Analysis

The nearest sensitive receptors are the single-family residences located approximately 550 feet (168 meters) to the south of the Project site. To identify impacts to sensitive receptors, the SCAQMD recommends addressing LSTs for construction. LSTs were developed in response to SCAQMD Governing Boards' Environmental Justice Enhancement Initiative (I-4). The SCAQMD provided the Final Localized Significance Threshold Methodology (dated June 2003 [revised 2008]) for guidance. The LST methodology assists lead agencies in analyzing localized impacts associated with Project-specific emissions.

Since CalEEMod calculates construction emissions based on the number of equipment hours and the maximum daily soil disturbance activity possible for each piece of equipment, **Table 9: Equipment-Specific 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 2.5 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 2.5-acre threshold 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 |
|-----------------------------------|----------------|--------------------|-----------------------------|-------------------------|----------------------|
| Grading | Tractors | 3 | 0.5 | 8 | 1.5 |
| | Graders | 1 | 0.5 | 8 | 0.5 |
| | Dozers | 1 | 0.5 | 8 | 0.5 |
| | Scrapers | 0 | 1.0 | 8 | 0.0 |
| Total Acres Graded per Day | | | | | 2.5 |

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

The SCAQMD's methodology states that "off-site mobile emissions from the Project should not be included in the emissions compared to LSTs." Therefore, only emissions included in the CalEEMod "on-site" emissions outputs were considered. The nearest sensitive receptors are the single-family residences located approximately 550 feet (168 meters) to the south of the Project site. LST thresholds are provided for distances to sensitive receptors of 25, 50, 100, 200, and 500 meters. Therefore, LSTs for receptors

located at 100 meters were conservatively utilized in this analysis. **Table 10: Localized Significance of Construction Emissions**, presents the results of localized emissions during each construction phase. **Table 10** shows that emissions of these pollutants on the peak day of construction would not result in significant concentrations of pollutants at nearby sensitive receptors. Therefore, localized construction emissions would be less than significant.

| Table 10: Localized Significance of Construction Emissions | | | | |
|---|-------------------------------|--------------|------------------------|-------------------------|
| Construction Activity | Maximum Pounds Per Day | | | |
| | NO_x | CO | PM₁₀ | PM_{2.5} |
| Demolition | 20.88 | 19.71 | 1.05 | 0.91 |
| Site Preparation | 27.18 | 18.34 | 8.51 | 4.87 |
| Grading | 17.03 | 14.76 | 3.35 | 1.94 |
| Infrastructure Improvements | 11.86 | 12.95 | 2.94 | 1.72 |
| Building Construction | 12.47 | 16.08 | 0.53 | 0.50 |
| Paving | 8.58 | 14.58 | 0.42 | 0.39 |
| Architectural Coating | 1.15 | 1.81 | 0.05 | 0.05 |
| Infrastructure Improvements/ Building Construction/Paving/ Architectural Coating | 34.05 | 45.42 | 3.94 | 2.65 |
| <i>Maximum Daily Emissions</i> | <i>34.05</i> | <i>45.42</i> | <i>8.51</i> | <i>4.87</i> |
| SCAQMD Localized Screening Threshold (adjusted for 2.5 acres at 100 meters) | 282 | 2,972 | 46 | 13 |
| Exceed SCAQMD Threshold? | No | No | No | No |
| NO _x = Nitrogen Oxides; CO = Carbon Monoxide; PM ₁₀ = Particulate Matter 10 microns in diameter or less; PM _{2.5} = Particulate Matter 2.5 microns in diameter or less | | | | |
| Source: CalEEMod version 2020.4.0. Refer to Appendix A for model outputs. | | | | |

Localized Operational Significance Analysis

According to the SCAQMD LST methodology, LSTs would apply to the operational phase of a project only if it includes stationary sources or attracts mobile sources that may spend long periods queuing and idling at the site (e.g. warehouse or transfer facilities). Since the Project includes development of warehouse buildings, the operational phase LST protocol is conservatively applied to both the area source and a portion of the mobile source emissions. As the closest receptors are located 168 meters (550 feet) to the south of the Project site, the LST thresholds for 100 meters were utilized in this analysis. Additionally, the maximum LST threshold (5-acre) was utilized as the Project site encompasses 5.63 acres.

The LST analysis only includes on-site sources. However, the CalEEMod model outputs do not separate on- and off-site emissions for mobile sources. For a worst-case scenario assessment, the emissions shown in **Table 11: Localized Significance of Operational Emissions**, conservatively include all on-site Project-related stationary sources, on-site off-road equipment (forklifts and yard trucks), and three percent of the Project-related mobile sources, since a portion of mobile sources could include trucks idling on-site.⁴ **Table 11** shows that the maximum daily emissions of these pollutants during Project operations would not result in significant concentrations of pollutants at nearby sensitive receptors. Therefore, localized operational emissions would be less than significant.

⁴ The on-site one-way trip length is conservatively anticipated to be up to one mile, which is approximately three percent of the 33.2-mile truck trip length modeled in CalEEMod.

| Activity | Maximum Pounds Per Day | | | |
|---|------------------------|--------------|------------------|-------------------|
| | NO _x | CO | PM ₁₀ | PM _{2.5} |
| On-Site and Mobile Source Emissions | 14.32 | 14.14 | 1.80 | 0.89 |
| SCAQMD Localized Screening Threshold (adjusted for 5 acres at 100 meters) | 378 | 4,142 | 16 | 5 |
| Exceed SCAQMD Threshold? | No | No | No | No |
| NO _x = Nitrogen Oxides; CO = Carbon Monoxide; PM ₁₀ = Particulate Matter 10 microns in diameter or less; PM _{2.5} = Particulate Matter 2.5 microns in diameter or less | | | | |
| Source: CalEEMod version 2020.4.0. Refer to Appendix A for model outputs. | | | | |

Criteria Pollutant Health Impacts

On December 24, 2018, the California Supreme Court issued an opinion identifying the need to provide sufficient information connecting a project's air emissions to health impacts or explain why such information could not be ascertained (*Sierra Club v. County of Fresno* [Friant Ranch, L.P.] [2018] Cal.5th, Case No. S219783).

The SCAQMD has set its CEQA significance thresholds based on the FCAA, which defines a major stationary source (in extreme ozone nonattainment areas such as the South Coast Air Basin) as emitting 10 tons per year. The thresholds correlate with the trigger levels for the federal New Source Review (NSR) Program and SCAQMD Rule 1303 for new or modified sources. The NSR 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.

As previously discussed, localized effects of on-site Project emissions on nearby receptors were found to be less than significant (refer to **Table 10** and **Table 11**). The LSTs represent the maximum emissions from a Project that are not expected to cause or contribute to an exceedance of the most stringent applicable state or federal ambient air quality standard. The LSTs were developed by the SCAQMD based on the ambient concentrations of that pollutant for each SRA and distance to the nearest sensitive receptor. The ambient air quality standards establish the levels of air quality necessary, with an adequate margin of safety, to protect public health, including protecting the health of sensitive populations. Information on health impacts related to exposure to ozone and particulate matter emissions published by the U.S. EPA and CARB have been summarized above and discussed in the Regulatory Setting section. As shown above, Project-related emissions would not exceed the regional thresholds or the LSTs, and therefore would not exceed the ambient air quality standards or cause an increase in the frequency or severity of existing violations of air quality standards. Therefore, sensitive receptors would not be exposed to criteria pollutant levels in excess of the health-based ambient air quality standards.

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)]

Carbon Monoxide Hotspots

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

The SCAB was re-designated as attainment in 2007 and is no longer addressed in the SCAQMD’s AQMP. The 2003 AQMP is the most recent version that addresses CO concentrations. As part of the SCAQMD *CO Hotspot Analysis*, the Wilshire Boulevard/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 as the Project would result in 205 daily trips. Therefore, impacts would be less than significant.

Construction-Related Diesel Particulate Matter

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

The use of diesel-powered construction equipment would be temporary and episodic. The duration of exposure would be short and exhaust from construction equipment dissipates rapidly. Current models and methodologies for conducting health risk assessments are associated with longer-term exposure periods of 9, 30, and 70 years, which do not correlate well with the temporary and highly variable nature of construction activities. The closest sensitive receptors are located approximately 550 feet from the property boundary and major Project construction areas.

California Office of Environmental Health Hazard Assessment has not identified short-term health effects from DPM. Construction is temporary and would be transient throughout the site (i.e. move from location to location) and would not generate emissions in a fixed location for extended periods of time. Construction would be subject to and would comply with California regulations limiting the idling of heavy-duty construction equipment to no more than 5 minutes to further reduce nearby sensitive receptors’ exposure to temporary and variable DPM emissions. For these reasons, DPM generated by construction activities, in and of itself, would not be expected to expose sensitive receptors to substantial amounts of air toxics and the Project would have a less than significant impact.

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.

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

Operations

The SCAQMD *CEQA Air Quality Handbook* identifies certain land uses as sources of odors. These land uses include agriculture (farming and livestock), wastewater treatment plants, food processing plants, chemical plants, composting facilities, refineries, landfills, dairies, and fiberglass molding. The Project would not include any of the land uses that have been identified by the SCAQMD as odor sources. Therefore, the Project would not create objectionable odors and no impact would occur.

Mitigation Measures: No mitigation is required.

Level of Significance: Less than significant impact.

6 REFERENCES

1. California Air Pollution Control Officers Association (CAPCOA), *Health Effects*, 2018.
2. California Air Resources Board, *Aerometric Data Analysis and Measurement System (ADAM) Top Four Summaries from 2019 to 2021*, 2022.
3. California Air Resources Board, *Air Quality and Land Use Handbook: A Community Health Perspective*, 2005.
4. California Air Resources Board, *Ambient Air Quality Standards*, May 6, 2016.
5. City of Rialto, *City of Rialto General Plan*, 2010.
6. City of Rialto, *A Codification of the General Ordinances of Rialto, California*, codified through Ordinance No. 1669, passed November 4, 2022.
7. HPA Architects, *Conceptual Site Plan*, 2022.
8. South Coast Air Quality Management District, *2016 Air Quality Management Plan*, March 2017.
9. South Coast Air Quality Management District, *2022 Air Quality Management Plan*, December 2022.
10. South Coast Air Quality Management District, *CEQA Air Quality Handbook*, 1993.
11. South Coast Air Quality Management District, *High Cube Warehouse Truck Trip Study White Paper Summary of Business Survey Results*, June 2014.
12. South Coast Air Quality Management District, *Localized Significance Threshold Methodology*, 2009.
13. South Coast Air Quality Management District, *South Coast AQMD Air Quality Significance Thresholds*, April 2019.
14. United States Environmental Protection Agency, *National Ambient Air Quality Standards Table*, 2016.
15. United States Environmental Protection Agency, *Nonattainment Areas for Criteria Pollutants (Green Book)*, 2022.

Appendix A

Air Quality Modeling Data

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Summer

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

2720 Willow Ave. Warehouse_Construction+Passenger Cars

San Bernardino-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|--------|----------|-------------|--------------------|------------|
| Unrefrigerated Warehouse-No Rail | 118.45 | 1000sqft | 2.72 | 118,450.00 | 0 |
| Parking Lot | 98.00 | Space | 2.25 | 39,200.00 | 0 |
| City Park | 0.66 | Acre | 0.66 | 28,749.60 | 0 |

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) | 390.98 | CH4 Intensity (lb/MW hr) | 0.033 | N2O Intensity (lb/MW hr) | 0.004 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Per site plan.

Construction Phase - Per construction questionnaire.

Off-road Equipment - Infrastructure Improvements

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Grading -

Demolition -

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Summer

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

Vehicle Trips - Passenger cars only.

Construction Off-road Equipment Mitigation - SCAQMD Rules and Regulations.

Area Mitigation -

Waste Mitigation -

Water Mitigation -

Fleet Mix - Passenger cars only.

| Table Name | Column Name | Default Value | New Value |
|------------------------|---------------------------------|---------------|-----------|
| tblConstDustMitigation | CleanPavedRoadPercentReduction | 0 | 6 |
| tblConstDustMitigation | WaterUnpavedRoadMoistureContent | 0 | 12 |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 0 | 15 |
| tblConstructionPhase | NumDays | 20.00 | 44.00 |
| tblConstructionPhase | NumDays | 230.00 | 85.00 |
| tblConstructionPhase | NumDays | 20.00 | 45.00 |
| tblConstructionPhase | NumDays | 20.00 | 100.00 |
| tblConstructionPhase | NumDays | 20.00 | 65.00 |
| tblConstructionPhase | NumDays | 20.00 | 85.00 |
| tblConstructionPhase | PhaseEndDate | 9/19/2025 | 5/30/2025 |
| tblConstructionPhase | PhaseEndDate | 7/25/2025 | 5/30/2025 |
| tblConstructionPhase | PhaseEndDate | 7/26/2024 | 8/30/2024 |
| tblConstructionPhase | PhaseEndDate | 9/6/2024 | 1/31/2025 |
| tblConstructionPhase | PhaseEndDate | 8/22/2025 | 5/30/2025 |
| tblConstructionPhase | PhaseEndDate | 8/9/2024 | 9/15/2024 |
| tblConstructionPhase | PhaseStartDate | 8/23/2025 | 4/1/2025 |
| tblConstructionPhase | PhaseStartDate | 9/7/2024 | 2/1/2025 |
| tblConstructionPhase | PhaseStartDate | 8/10/2024 | 9/16/2024 |
| tblConstructionPhase | PhaseStartDate | 7/26/2025 | 3/1/2025 |
| tblConstructionPhase | PhaseStartDate | 7/27/2024 | 9/2/2024 |
| tblFleetMix | HHD | 0.02 | 0.00 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Summer

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

| | | | |
|---------------------|----------------------------|-------------|--------|
| tblFleetMix | LDA | 0.54 | 0.74 |
| tblFleetMix | LDT1 | 0.06 | 0.04 |
| tblFleetMix | LDT2 | 0.17 | 0.11 |
| tblFleetMix | LHD1 | 0.03 | 0.02 |
| tblFleetMix | LHD2 | 7.0090e-003 | 0.00 |
| tblFleetMix | MCY | 0.02 | 0.02 |
| tblFleetMix | MDV | 0.13 | 0.09 |
| tblFleetMix | MH | 4.6060e-003 | 0.00 |
| tblFleetMix | MHD | 0.01 | 0.00 |
| tblFleetMix | OBUS | 5.5200e-004 | 0.00 |
| tblFleetMix | SBUS | 9.5600e-004 | 0.00 |
| tblFleetMix | UBUS | 2.4800e-004 | 0.00 |
| tblLandUse | LotAcreage | 0.88 | 2.25 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblVehicleTrips | CNW_TTP | 41.00 | 0.00 |
| tblVehicleTrips | CW_TTP | 59.00 | 100.00 |
| tblVehicleTrips | DV_TP | 5.00 | 0.00 |
| tblVehicleTrips | PB_TP | 3.00 | 0.00 |
| tblVehicleTrips | PR_TP | 92.00 | 100.00 |
| tblVehicleTrips | ST_TR | 1.96 | 0.00 |
| tblVehicleTrips | ST_TR | 1.74 | 1.04 |
| tblVehicleTrips | SU_TR | 2.19 | 0.00 |
| tblVehicleTrips | SU_TR | 1.74 | 1.04 |
| tblVehicleTrips | WD_TR | 0.78 | 0.00 |
| tblVehicleTrips | WD_TR | 1.74 | 1.04 |

2.0 Emissions Summary

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Summer

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|----------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|---------------|-------------------|-------------------|---------------|---------------|-------------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2024 | 2.7262 | 27.2137 | 20.2684 | 0.0409 | 19.8582 | 1.2303 | 21.0885 | 10.1558 | 1.1319 | 11.2877 | 0.0000 | 3,959.8588 | 3,959.8588 | 1.1968 | 0.0137 | 3,990.3117 |
| 2025 | 29.4053 | 35.3731 | 49.8109 | 0.0926 | 8.1146 | 1.5241 | 9.6387 | 3.7863 | 1.4175 | 5.2038 | 0.0000 | 9,007.5654 | 9,007.5654 | 2.0912 | 0.1102 | 9,092.6838 |
| Maximum | 29.4053 | 35.3731 | 49.8109 | 0.0926 | 19.8582 | 1.5241 | 21.0885 | 10.1558 | 1.4175 | 11.2877 | 0.0000 | 9,007.5654 | 9,007.5654 | 2.0912 | 0.1102 | 9,092.6838 |

Mitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|---------------|-------------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2024 | 2.7262 | 27.2137 | 20.2684 | 0.0409 | 7.4736 | 1.2303 | 8.7039 | 3.7937 | 1.1319 | 4.9256 | 0.0000 | 3,959.8588 | 3,959.8588 | 1.1968 | 0.0137 | 3,990.3117 |
| 2025 | 29.4053 | 35.3731 | 49.8109 | 0.0926 | 3.9103 | 1.5241 | 5.4344 | 1.6470 | 1.4175 | 3.0644 | 0.0000 | 9,007.5654 | 9,007.5654 | 2.0912 | 0.1102 | 9,092.6838 |
| Maximum | 29.4053 | 35.3731 | 49.8109 | 0.0926 | 7.4736 | 1.5241 | 8.7039 | 3.7937 | 1.4175 | 4.9256 | 0.0000 | 9,007.5654 | 9,007.5654 | 2.0912 | 0.1102 | 9,092.6838 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Summer

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

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 59.30 | 0.00 | 53.99 | 60.98 | 0.00 | 51.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Summer

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

2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 2.6665 | 2.0000e-004 | 0.0221 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0475 | 0.0475 | 1.2000e-004 | | 0.0506 |
| Energy | 7.0300e-003 | 0.0640 | 0.0537 | 3.8000e-004 | | 4.8600e-003 | 4.8600e-003 | | 4.8600e-003 | 4.8600e-003 | | 76.7396 | 76.7396 | 1.4700e-003 | 1.4100e-003 | 77.1956 |
| Mobile | 0.3880 | 0.3501 | 5.2552 | 0.0129 | 1.5598 | 7.0800e-003 | 1.5669 | 0.4137 | 6.5500e-003 | 0.4202 | | 1,302.8978 | 1,302.8978 | 0.0462 | 0.0326 | 1,313.7785 |
| Total | 3.0616 | 0.4143 | 5.3310 | 0.0133 | 1.5598 | 0.0120 | 1.5719 | 0.4137 | 0.0115 | 0.4252 | | 1,379.6849 | 1,379.6849 | 0.0478 | 0.0341 | 1,391.0247 |

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 | 2.6665 | 2.0000e-004 | 0.0221 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0475 | 0.0475 | 1.2000e-004 | | 0.0506 |
| Energy | 7.0300e-003 | 0.0640 | 0.0537 | 3.8000e-004 | | 4.8600e-003 | 4.8600e-003 | | 4.8600e-003 | 4.8600e-003 | | 76.7396 | 76.7396 | 1.4700e-003 | 1.4100e-003 | 77.1956 |
| Mobile | 0.3880 | 0.3501 | 5.2552 | 0.0129 | 1.5598 | 7.0800e-003 | 1.5669 | 0.4137 | 6.5500e-003 | 0.4202 | | 1,302.8978 | 1,302.8978 | 0.0462 | 0.0326 | 1,313.7785 |
| Total | 3.0616 | 0.4143 | 5.3310 | 0.0133 | 1.5598 | 0.0120 | 1.5719 | 0.4137 | 0.0115 | 0.4252 | | 1,379.6849 | 1,379.6849 | 0.0478 | 0.0341 | 1,391.0247 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Summer

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

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Demolition | Demolition | 7/1/2024 | 8/30/2024 | 5 | 45 | |
| 2 | Building Construction | Building Construction | 2/1/2025 | 5/30/2025 | 5 | 85 | |
| 3 | Infrastructure Improvements | Grading | 2/2/2025 | 6/1/2025 | 5 | 85 | |
| 4 | Paving | Paving | 3/1/2025 | 5/30/2025 | 5 | 65 | |
| 5 | Architectural Coating | Architectural Coating | 4/1/2025 | 5/30/2025 | 5 | 44 | |
| 6 | Grading | Grading | 9/16/2024 | 1/31/2025 | 5 | 100 | |
| 7 | Site Preparation | Site Preparation | 9/2/2024 | 9/15/2024 | 5 | 10 | |

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 42.5

Acres of Paving: 2.25

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 177,675; Non-Residential Outdoor: 59,225; Striped Parking Area: 2,352 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|--------------------------|--------|-------------|-------------|-------------|
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Demolition | Excavators | 3 | 8.00 | 158 | 0.38 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Summer

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

| | | | | | |
|-----------------------------|---------------------------|---|------|-----|------|
| Grading | Excavators | 1 | 8.00 | 158 | 0.38 |
| Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Paving | Pavers | 2 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 2 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Demolition | Rubber Tired Dozers | 2 | 8.00 | 247 | 0.40 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 247 | 0.40 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Grading | Tractors/Loaders/Backhoes | 3 | 8.00 | 97 | 0.37 |
| Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Infrastructure Improvements | Excavators | 1 | 8.00 | 158 | 0.38 |
| Infrastructure Improvements | Graders | 0 | 8.00 | 187 | 0.41 |
| Infrastructure Improvements | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Infrastructure Improvements | Tractors/Loaders/Backhoes | 3 | 8.00 | 97 | 0.37 |

Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition | 6 | 15.00 | 0.00 | 49.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 6 | 15.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 78.00 | 31.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 6 | 15.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 16.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Summer

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

| | | | | | | | | | | |
|-----------------------------|---|-------|------|------|-------|------|-------|--------|---------|------|
| Infrastructure Improvements | 5 | 13.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
|-----------------------------|---|-------|------|------|-------|------|-------|--------|---------|------|

3.1 Mitigation Measures Construction

- Replace Ground Cover
- Water Exposed Area
- Water Unpaved Roads
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads

3.2 Demolition - 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 | | | | | 0.2378 | 0.0000 | 0.2378 | 0.0360 | 0.0000 | 0.0360 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.2437 | 20.8781 | 19.7073 | 0.0388 | | 0.9602 | 0.9602 | | 0.8922 | 0.8922 | | 3,747.4228 | 3,747.4228 | 1.0485 | | 3,773.6345 |
| Total | 2.2437 | 20.8781 | 19.7073 | 0.0388 | 0.2378 | 0.9602 | 1.1979 | 0.0360 | 0.8922 | 0.9282 | | 3,747.4228 | 3,747.4228 | 1.0485 | | 3,773.6345 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Summer

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

3.2 Demolition - 2024

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 2.6000e-003 | 0.1202 | 0.0366 | 6.0000e-004 | 0.0191 | 1.2400e-003 | 0.0203 | 5.2300e-003 | 1.1900e-003 | 6.4200e-003 | | 65.5010 | 65.5010 | 2.7600e-003 | 0.0104 | 68.6638 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0544 | 0.0314 | 0.5245 | 1.4500e-003 | 0.1677 | 7.9000e-004 | 0.1685 | 0.0445 | 7.3000e-004 | 0.0452 | | 146.9351 | 146.9351 | 3.3100e-003 | 3.3400e-003 | 148.0134 |
| Total | 0.0570 | 0.1515 | 0.5610 | 2.0500e-003 | 0.1867 | 2.0300e-003 | 0.1888 | 0.0497 | 1.9200e-003 | 0.0516 | | 212.4360 | 212.4360 | 6.0700e-003 | 0.0137 | 216.6771 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.0881 | 0.0000 | 0.0881 | 0.0133 | 0.0000 | 0.0133 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.2437 | 20.8781 | 19.7073 | 0.0388 | | 0.9602 | 0.9602 | | 0.8922 | 0.8922 | 0.0000 | 3,747.4228 | 3,747.4228 | 1.0485 | | 3,773.6345 |
| Total | 2.2437 | 20.8781 | 19.7073 | 0.0388 | 0.0881 | 0.9602 | 1.0483 | 0.0133 | 0.8922 | 0.9055 | 0.0000 | 3,747.4228 | 3,747.4228 | 1.0485 | | 3,773.6345 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Summer

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

3.2 Demolition - 2024

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 2.6000e-003 | 0.1202 | 0.0366 | 6.0000e-004 | 0.0182 | 1.2400e-003 | 0.0195 | 5.0200e-003 | 1.1900e-003 | 6.2100e-003 | | 65.5010 | 65.5010 | 2.7600e-003 | 0.0104 | 68.6638 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0544 | 0.0314 | 0.5245 | 1.4500e-003 | 0.1589 | 7.9000e-004 | 0.1597 | 0.0423 | 7.3000e-004 | 0.0431 | | 146.9351 | 146.9351 | 3.3100e-003 | 3.3400e-003 | 148.0134 |
| Total | 0.0570 | 0.1515 | 0.5610 | 2.0500e-003 | 0.1771 | 2.0300e-003 | 0.1792 | 0.0473 | 1.9200e-003 | 0.0493 | | 212.4360 | 212.4360 | 6.0700e-003 | 0.0137 | 216.6771 |

3.3 Building Construction - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | | 2,556.4744 | 2,556.4744 | 0.6010 | | 2,571.4981 |
| Total | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | | 2,556.4744 | 2,556.4744 | 0.6010 | | 2,571.4981 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Summer

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

3.3 Building Construction - 2025

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0348 | 1.0905 | 0.4416 | 5.3700e-003 | 0.1986 | 8.0300e-003 | 0.2066 | 0.0572 | 7.6900e-003 | 0.0649 | | 575.3433 | 575.3433 | 0.0146 | 0.0849 | 601.0108 |
| Worker | 0.2633 | 0.1456 | 2.5263 | 7.3000e-003 | 0.8719 | 3.9100e-003 | 0.8758 | 0.2312 | 3.6000e-003 | 0.2348 | | 737.8602 | 737.8602 | 0.0155 | 0.0162 | 743.0658 |
| Total | 0.2981 | 1.2360 | 2.9679 | 0.0127 | 1.0705 | 0.0119 | 1.0824 | 0.2884 | 0.0113 | 0.2997 | | 1,313.2034 | 1,313.2034 | 0.0301 | 0.1011 | 1,344.0765 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive 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 | 2,556.4744 | 2,556.4744 | 0.6010 | | 2,571.4981 |
| Total | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | 0.0000 | 2,556.4744 | 2,556.4744 | 0.6010 | | 2,571.4981 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Summer

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

3.3 Building Construction - 2025

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0348 | 1.0905 | 0.4416 | 5.3700e-003 | 0.1901 | 8.0300e-003 | 0.1982 | 0.0551 | 7.6900e-003 | 0.0628 | | 575.3433 | 575.3433 | 0.0146 | 0.0849 | 601.0108 |
| Worker | 0.2633 | 0.1456 | 2.5263 | 7.3000e-003 | 0.8264 | 3.9100e-003 | 0.8303 | 0.2201 | 3.6000e-003 | 0.2237 | | 737.8602 | 737.8602 | 0.0155 | 0.0162 | 743.0658 |
| Total | 0.2981 | 1.2360 | 2.9679 | 0.0127 | 1.0165 | 0.0119 | 1.0285 | 0.2752 | 0.0113 | 0.2864 | | 1,313.2034 | 1,313.2034 | 0.0301 | 0.1011 | 1,344.0765 |

3.4 Infrastructure Improvements - 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 | | | | | |
| Fugitive Dust | | | | | 6.5523 | 0.0000 | 6.5523 | 3.3675 | 0.0000 | 3.3675 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.2116 | 11.8581 | 12.9461 | 0.0231 | | 0.5123 | 0.5123 | | 0.4713 | 0.4713 | | 2,233.4656 | 2,233.4656 | 0.7224 | | 2,251.5243 |
| Total | 1.2116 | 11.8581 | 12.9461 | 0.0231 | 6.5523 | 0.5123 | 7.0647 | 3.3675 | 0.4713 | 3.8388 | | 2,233.4656 | 2,233.4656 | 0.7224 | | 2,251.5243 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Summer

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

3.4 Infrastructure Improvements - 2025

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0439 | 0.0243 | 0.4211 | 1.2200e-003 | 0.1453 | 6.5000e-004 | 0.1460 | 0.0385 | 6.0000e-004 | 0.0391 | | 122.9767 | 122.9767 | 2.5800e-003 | 2.6900e-003 | 123.8443 |
| Total | 0.0439 | 0.0243 | 0.4211 | 1.2200e-003 | 0.1453 | 6.5000e-004 | 0.1460 | 0.0385 | 6.0000e-004 | 0.0391 | | 122.9767 | 122.9767 | 2.5800e-003 | 2.6900e-003 | 123.8443 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | | | | | 2.4276 | 0.0000 | 2.4276 | 1.2477 | 0.0000 | 1.2477 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.2116 | 11.8581 | 12.9461 | 0.0231 | | 0.5123 | 0.5123 | | 0.4713 | 0.4713 | 0.0000 | 2,233.4656 | 2,233.4656 | 0.7224 | | 2,251.5243 |
| Total | 1.2116 | 11.8581 | 12.9461 | 0.0231 | 2.4276 | 0.5123 | 2.9400 | 1.2477 | 0.4713 | 1.7190 | 0.0000 | 2,233.4656 | 2,233.4656 | 0.7224 | | 2,251.5243 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Summer

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

3.4 Infrastructure Improvements - 2025

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0439 | 0.0243 | 0.4211 | 1.2200e-003 | 0.1377 | 6.5000e-004 | 0.1384 | 0.0367 | 6.0000e-004 | 0.0373 | | 122.9767 | 122.9767 | 2.5800e-003 | 2.6900e-003 | 123.8443 |
| Total | 0.0439 | 0.0243 | 0.4211 | 1.2200e-003 | 0.1377 | 6.5000e-004 | 0.1384 | 0.0367 | 6.0000e-004 | 0.0373 | | 122.9767 | 122.9767 | 2.5800e-003 | 2.6900e-003 | 123.8443 |

3.5 Paving - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.9152 | 8.5816 | 14.5780 | 0.0228 | | 0.4185 | 0.4185 | | 0.3850 | 0.3850 | | 2,206.7452 | 2,206.7452 | 0.7137 | | 2,224.5878 |
| Paving | 0.0907 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.0058 | 8.5816 | 14.5780 | 0.0228 | | 0.4185 | 0.4185 | | 0.3850 | 0.3850 | | 2,206.7452 | 2,206.7452 | 0.7137 | | 2,224.5878 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Summer

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

3.5 Paving - 2025

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0506 | 0.0280 | 0.4858 | 1.4000e-003 | 0.1677 | 7.5000e-004 | 0.1684 | 0.0445 | 6.9000e-004 | 0.0452 | | 141.8962 | 141.8962 | 2.9800e-003 | 3.1100e-003 | 142.8973 |
| Total | 0.0506 | 0.0280 | 0.4858 | 1.4000e-003 | 0.1677 | 7.5000e-004 | 0.1684 | 0.0445 | 6.9000e-004 | 0.0452 | | 141.8962 | 141.8962 | 2.9800e-003 | 3.1100e-003 | 142.8973 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.9152 | 8.5816 | 14.5780 | 0.0228 | | 0.4185 | 0.4185 | | 0.3850 | 0.3850 | 0.0000 | 2,206.7452 | 2,206.7452 | 0.7137 | | 2,224.5878 |
| Paving | 0.0907 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.0058 | 8.5816 | 14.5780 | 0.0228 | | 0.4185 | 0.4185 | | 0.3850 | 0.3850 | 0.0000 | 2,206.7452 | 2,206.7452 | 0.7137 | | 2,224.5878 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Summer

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

3.5 Paving - 2025

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0506 | 0.0280 | 0.4858 | 1.4000e-003 | 0.1589 | 7.5000e-004 | 0.1597 | 0.0423 | 6.9000e-004 | 0.0430 | | 141.8962 | 141.8962 | 2.9800e-003 | 3.1100e-003 | 142.8973 |
| Total | 0.0506 | 0.0280 | 0.4858 | 1.4000e-003 | 0.1589 | 7.5000e-004 | 0.1597 | 0.0423 | 6.9000e-004 | 0.0430 | | 141.8962 | 141.8962 | 2.9800e-003 | 3.1100e-003 | 142.8973 |

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 25.2030 | | | | | 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 | 25.3739 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Summer

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

3.6 Architectural Coating - 2025

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0540 | 0.0299 | 0.5182 | 1.5000e-003 | 0.1788 | 8.0000e-004 | 0.1796 | 0.0474 | 7.4000e-004 | 0.0482 | | 151.3559 | 151.3559 | 3.1800e-003 | 3.3200e-003 | 152.4237 |
| Total | 0.0540 | 0.0299 | 0.5182 | 1.5000e-003 | 0.1788 | 8.0000e-004 | 0.1796 | 0.0474 | 7.4000e-004 | 0.0482 | | 151.3559 | 151.3559 | 3.1800e-003 | 3.3200e-003 | 152.4237 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 25.2030 | | | | | 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 | 25.3739 | 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 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Summer

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

3.6 Architectural Coating - 2025

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0540 | 0.0299 | 0.5182 | 1.5000e-003 | 0.1695 | 8.0000e-004 | 0.1703 | 0.0451 | 7.4000e-004 | 0.0459 | | 151.3559 | 151.3559 | 3.1800e-003 | 3.3200e-003 | 152.4237 |
| Total | 0.0540 | 0.0299 | 0.5182 | 1.5000e-003 | 0.1695 | 8.0000e-004 | 0.1703 | 0.0451 | 7.4000e-004 | 0.0459 | | 151.3559 | 151.3559 | 3.1800e-003 | 3.3200e-003 | 152.4237 |

3.7 Grading - 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 | | | | | 7.0826 | 0.0000 | 7.0826 | 3.4247 | 0.0000 | 3.4247 | | | 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 | 7.0826 | 0.7244 | 7.8070 | 3.4247 | 0.6665 | 4.0912 | | 2,873.054 1 | 2,873.054 1 | 0.9292 | | 2,896.284 2 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Summer

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

3.7 Grading - 2024

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0544 | 0.0314 | 0.5245 | 1.4500e-003 | 0.1677 | 7.9000e-004 | 0.1685 | 0.0445 | 7.3000e-004 | 0.0452 | | 146.9351 | 146.9351 | 3.3100e-003 | 3.3400e-003 | 148.0134 |
| Total | 0.0544 | 0.0314 | 0.5245 | 1.4500e-003 | 0.1677 | 7.9000e-004 | 0.1685 | 0.0445 | 7.3000e-004 | 0.0452 | | 146.9351 | 146.9351 | 3.3100e-003 | 3.3400e-003 | 148.0134 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | | | | | 2.6241 | 0.0000 | 2.6241 | 1.2689 | 0.0000 | 1.2689 | | | 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 | 2.6241 | 0.7244 | 3.3485 | 1.2689 | 0.6665 | 1.9353 | 0.0000 | 2,873.054 1 | 2,873.054 1 | 0.9292 | | 2,896.284 2 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Summer

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

3.7 Grading - 2024

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0544 | 0.0314 | 0.5245 | 1.4500e-003 | 0.1589 | 7.9000e-004 | 0.1597 | 0.0423 | 7.3000e-004 | 0.0431 | | 146.9351 | 146.9351 | 3.3100e-003 | 3.3400e-003 | 148.0134 |
| Total | 0.0544 | 0.0314 | 0.5245 | 1.4500e-003 | 0.1589 | 7.9000e-004 | 0.1597 | 0.0423 | 7.3000e-004 | 0.0431 | | 146.9351 | 146.9351 | 3.3100e-003 | 3.3400e-003 | 148.0134 |

3.7 Grading - 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 | | | | | |
| Fugitive Dust | | | | | 7.0826 | 0.0000 | 7.0826 | 3.4247 | 0.0000 | 3.4247 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.5227 | 15.3148 | 14.5402 | 0.0297 | | 0.6236 | 0.6236 | | 0.5737 | 0.5737 | | 2,873.7052 | 2,873.7052 | 0.9294 | | 2,896.9405 |
| Total | 1.5227 | 15.3148 | 14.5402 | 0.0297 | 7.0826 | 0.6236 | 7.7062 | 3.4247 | 0.5737 | 3.9984 | | 2,873.7052 | 2,873.7052 | 0.9294 | | 2,896.9405 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Summer

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

3.7 Grading - 2025

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0506 | 0.0280 | 0.4858 | 1.4000e-003 | 0.1677 | 7.5000e-004 | 0.1684 | 0.0445 | 6.9000e-004 | 0.0452 | | 141.8962 | 141.8962 | 2.9800e-003 | 3.1100e-003 | 142.8973 |
| Total | 0.0506 | 0.0280 | 0.4858 | 1.4000e-003 | 0.1677 | 7.5000e-004 | 0.1684 | 0.0445 | 6.9000e-004 | 0.0452 | | 141.8962 | 141.8962 | 2.9800e-003 | 3.1100e-003 | 142.8973 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | | | | | 2.6241 | 0.0000 | 2.6241 | 1.2689 | 0.0000 | 1.2689 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.5227 | 15.3148 | 14.5402 | 0.0297 | | 0.6236 | 0.6236 | | 0.5737 | 0.5737 | 0.0000 | 2,873.7052 | 2,873.7052 | 0.9294 | | 2,896.9405 |
| Total | 1.5227 | 15.3148 | 14.5402 | 0.0297 | 2.6241 | 0.6236 | 3.2477 | 1.2689 | 0.5737 | 1.8425 | 0.0000 | 2,873.7052 | 2,873.7052 | 0.9294 | | 2,896.9405 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Summer

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

3.7 Grading - 2025

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0506 | 0.0280 | 0.4858 | 1.4000e-003 | 0.1589 | 7.5000e-004 | 0.1597 | 0.0423 | 6.9000e-004 | 0.0430 | | 141.8962 | 141.8962 | 2.9800e-003 | 3.1100e-003 | 142.8973 |
| Total | 0.0506 | 0.0280 | 0.4858 | 1.4000e-003 | 0.1589 | 7.5000e-004 | 0.1597 | 0.0423 | 6.9000e-004 | 0.0430 | | 141.8962 | 141.8962 | 2.9800e-003 | 3.1100e-003 | 142.8973 |

3.8 Site Preparation - 2024

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 19.6570 | 0.0000 | 19.6570 | 10.1025 | 0.0000 | 10.1025 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.6609 | 27.1760 | 18.3356 | 0.0381 | | 1.2294 | 1.2294 | | 1.1310 | 1.1310 | | 3,688.0100 | 3,688.0100 | 1.1928 | | 3,717.8294 |
| Total | 2.6609 | 27.1760 | 18.3356 | 0.0381 | 19.6570 | 1.2294 | 20.8864 | 10.1025 | 1.1310 | 11.2335 | | 3,688.0100 | 3,688.0100 | 1.1928 | | 3,717.8294 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Summer

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

3.8 Site Preparation - 2024

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0653 | 0.0377 | 0.6294 | 1.7400e-003 | 0.2012 | 9.5000e-004 | 0.2022 | 0.0534 | 8.7000e-004 | 0.0542 | | 176.3221 | 176.3221 | 3.9700e-003 | 4.0100e-003 | 177.6160 |
| Total | 0.0653 | 0.0377 | 0.6294 | 1.7400e-003 | 0.2012 | 9.5000e-004 | 0.2022 | 0.0534 | 8.7000e-004 | 0.0542 | | 176.3221 | 176.3221 | 3.9700e-003 | 4.0100e-003 | 177.6160 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | | | | | 7.2829 | 0.0000 | 7.2829 | 3.7430 | 0.0000 | 3.7430 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.6609 | 27.1760 | 18.3356 | 0.0381 | | 1.2294 | 1.2294 | | 1.1310 | 1.1310 | 0.0000 | 3,688.0100 | 3,688.0100 | 1.1928 | | 3,717.8294 |
| Total | 2.6609 | 27.1760 | 18.3356 | 0.0381 | 7.2829 | 1.2294 | 8.5123 | 3.7430 | 1.1310 | 4.8740 | 0.0000 | 3,688.0100 | 3,688.0100 | 1.1928 | | 3,717.8294 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Summer

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

3.8 Site Preparation - 2024

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0653 | 0.0377 | 0.6294 | 1.7400e-003 | 0.1907 | 9.5000e-004 | 0.1917 | 0.0508 | 8.7000e-004 | 0.0517 | | 176.3221 | 176.3221 | 3.9700e-003 | 4.0100e-003 | 177.6160 |
| Total | 0.0653 | 0.0377 | 0.6294 | 1.7400e-003 | 0.1907 | 9.5000e-004 | 0.1917 | 0.0508 | 8.7000e-004 | 0.0517 | | 176.3221 | 176.3221 | 3.9700e-003 | 4.0100e-003 | 177.6160 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Summer

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

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|--------|------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.3880 | 0.3501 | 5.2552 | 0.0129 | 1.5598 | 7.0800e-003 | 1.5669 | 0.4137 | 6.5500e-003 | 0.4202 | | 1,302.8978 | 1,302.8978 | 0.0462 | 0.0326 | 1,313.7785 |
| Unmitigated | 0.3880 | 0.3501 | 5.2552 | 0.0129 | 1.5598 | 7.0800e-003 | 1.5669 | 0.4137 | 6.5500e-003 | 0.4202 | | 1,302.8978 | 1,302.8978 | 0.0462 | 0.0326 | 1,313.7785 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------------|-------------------------|---------------|---------------|----------------|----------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| City Park | 0.00 | 0.00 | 0.00 | | |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 123.60 | 123.60 | 123.60 | 746,842 | 746,842 |
| Total | 123.60 | 123.60 | 123.60 | 746,842 | 746,842 |

4.3 Trip Type Information

| Land Use | Miles | | | Trip % | | | Trip Purpose % | | |
|-----------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
| | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| City Park | 16.60 | 8.40 | 6.90 | 33.00 | 48.00 | 19.00 | 66 | 28 | 6 |
| Parking Lot | 16.60 | 8.40 | 6.90 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Unrefrigerated Warehouse-No | 16.60 | 8.40 | 6.90 | 100.00 | 0.00 | 0.00 | 100 | 0 | 0 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| City Park | 0.543085 | 0.056300 | 0.173085 | 0.134258 | 0.025645 | 0.007009 | 0.011926 | 0.017481 | 0.000552 | 0.000248 | 0.024848 | 0.000956 | 0.004606 |
| Parking Lot | 0.543085 | 0.056300 | 0.173085 | 0.134258 | 0.025645 | 0.007009 | 0.011926 | 0.017481 | 0.000552 | 0.000248 | 0.024848 | 0.000956 | 0.004606 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Summer

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

| | | | | | | | | | | | | | |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Unrefrigerated Warehouse-No Rail | 0.737217 | 0.035584 | 0.108187 | 0.085659 | 0.017059 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.016295 | 0.000000 | 0.000000 |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|-------------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|---------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 7.0300e-003 | 0.0640 | 0.0537 | 3.8000e-004 | | 4.8600e-003 | 4.8600e-003 | | 4.8600e-003 | 4.8600e-003 | | 76.7396 | 76.7396 | 1.4700e-003 | 1.4100e-003 | 77.1956 |
| NaturalGas Unmitigated | 7.0300e-003 | 0.0640 | 0.0537 | 3.8000e-004 | | 4.8600e-003 | 4.8600e-003 | | 4.8600e-003 | 4.8600e-003 | | 76.7396 | 76.7396 | 1.4700e-003 | 1.4100e-003 | 77.1956 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Summer

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|----------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| City Park | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 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 |
| Unrefrigerated Warehouse-No Rail | 652.286 | 7.0300e-003 | 0.0640 | 0.0537 | 3.8000e-004 | | 4.8600e-003 | 4.8600e-003 | | 4.8600e-003 | 4.8600e-003 | | 76.7396 | 76.7396 | 1.4700e-003 | 1.4100e-003 | 77.1956 |
| Total | | 7.0300e-003 | 0.0640 | 0.0537 | 3.8000e-004 | | 4.8600e-003 | 4.8600e-003 | | 4.8600e-003 | 4.8600e-003 | | 76.7396 | 76.7396 | 1.4700e-003 | 1.4100e-003 | 77.1956 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Summer

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

5.2 Energy by Land Use - NaturalGas

Mitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|----------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| City Park | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 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 |
| Unrefrigerated Warehouse-No Rail | 0.652286 | 7.0300e-003 | 0.0640 | 0.0537 | 3.8000e-004 | | 4.8600e-003 | 4.8600e-003 | | 4.8600e-003 | 4.8600e-003 | | 76.7396 | 76.7396 | 1.4700e-003 | 1.4100e-003 | 77.1956 |
| Total | | 7.0300e-003 | 0.0640 | 0.0537 | 3.8000e-004 | | 4.8600e-003 | 4.8600e-003 | | 4.8600e-003 | 4.8600e-003 | | 76.7396 | 76.7396 | 1.4700e-003 | 1.4100e-003 | 77.1956 |

6.0 Area Detail

6.1 Mitigation Measures Area

No Hearths Installed

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Summer

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

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|-------------|--------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 2.6665 | 2.0000e-004 | 0.0221 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0475 | 0.0475 | 1.2000e-004 | | 0.0506 |
| Unmitigated | 2.6665 | 2.0000e-004 | 0.0221 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0475 | 0.0475 | 1.2000e-004 | | 0.0506 |

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 | 0.3038 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 2.3607 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 2.0400e-003 | 2.0000e-004 | 0.0221 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0475 | 0.0475 | 1.2000e-004 | | 0.0506 |
| Total | 2.6665 | 2.0000e-004 | 0.0221 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0475 | 0.0475 | 1.2000e-004 | | 0.0506 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Summer

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

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 | 0.3038 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 2.3607 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 2.0400e-003 | 2.0000e-004 | 0.0221 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0475 | 0.0475 | 1.2000e-004 | | 0.0506 |
| Total | 2.6665 | 2.0000e-004 | 0.0221 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0475 | 0.0475 | 1.2000e-004 | | 0.0506 |

7.0 Water Detail

7.1 Mitigation Measures Water

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Summer

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Winter

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

2720 Willow Ave. Warehouse_Construction+Passenger Cars

San Bernardino-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|--------|----------|-------------|--------------------|------------|
| Unrefrigerated Warehouse-No Rail | 118.45 | 1000sqft | 2.72 | 118,450.00 | 0 |
| Parking Lot | 98.00 | Space | 2.25 | 39,200.00 | 0 |
| City Park | 0.66 | Acre | 0.66 | 28,749.60 | 0 |

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) | 390.98 | CH4 Intensity (lb/MW hr) | 0.033 | N2O Intensity (lb/MW hr) | 0.004 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Per site plan.

Construction Phase - Per construction questionnaire.

Off-road Equipment - Infrastructure Improvements

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Grading -

Demolition -

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Winter

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

Vehicle Trips - Passenger cars only.

Construction Off-road Equipment Mitigation - SCAQMD Rules and Regulations.

Area Mitigation -

Waste Mitigation -

Water Mitigation -

Fleet Mix - Passenger cars only.

| Table Name | Column Name | Default Value | New Value |
|------------------------|---------------------------------|---------------|-----------|
| tblConstDustMitigation | CleanPavedRoadPercentReduction | 0 | 6 |
| tblConstDustMitigation | WaterUnpavedRoadMoistureContent | 0 | 12 |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 0 | 15 |
| tblConstructionPhase | NumDays | 20.00 | 44.00 |
| tblConstructionPhase | NumDays | 230.00 | 85.00 |
| tblConstructionPhase | NumDays | 20.00 | 45.00 |
| tblConstructionPhase | NumDays | 20.00 | 100.00 |
| tblConstructionPhase | NumDays | 20.00 | 65.00 |
| tblConstructionPhase | NumDays | 20.00 | 85.00 |
| tblConstructionPhase | PhaseEndDate | 9/19/2025 | 5/30/2025 |
| tblConstructionPhase | PhaseEndDate | 7/25/2025 | 5/30/2025 |
| tblConstructionPhase | PhaseEndDate | 7/26/2024 | 8/30/2024 |
| tblConstructionPhase | PhaseEndDate | 9/6/2024 | 1/31/2025 |
| tblConstructionPhase | PhaseEndDate | 8/22/2025 | 5/30/2025 |
| tblConstructionPhase | PhaseEndDate | 8/9/2024 | 9/15/2024 |
| tblConstructionPhase | PhaseStartDate | 8/23/2025 | 4/1/2025 |
| tblConstructionPhase | PhaseStartDate | 9/7/2024 | 2/1/2025 |
| tblConstructionPhase | PhaseStartDate | 8/10/2024 | 9/16/2024 |
| tblConstructionPhase | PhaseStartDate | 7/26/2025 | 3/1/2025 |
| tblConstructionPhase | PhaseStartDate | 7/27/2024 | 9/2/2024 |
| tblFleetMix | HHD | 0.02 | 0.00 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Winter

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

| | | | |
|---------------------|----------------------------|-------------|--------|
| tblFleetMix | LDA | 0.54 | 0.74 |
| tblFleetMix | LDT1 | 0.06 | 0.04 |
| tblFleetMix | LDT2 | 0.17 | 0.11 |
| tblFleetMix | LHD1 | 0.03 | 0.02 |
| tblFleetMix | LHD2 | 7.0090e-003 | 0.00 |
| tblFleetMix | MCY | 0.02 | 0.02 |
| tblFleetMix | MDV | 0.13 | 0.09 |
| tblFleetMix | MH | 4.6060e-003 | 0.00 |
| tblFleetMix | MHD | 0.01 | 0.00 |
| tblFleetMix | OBUS | 5.5200e-004 | 0.00 |
| tblFleetMix | SBUS | 9.5600e-004 | 0.00 |
| tblFleetMix | UBUS | 2.4800e-004 | 0.00 |
| tblLandUse | LotAcreage | 0.88 | 2.25 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblVehicleTrips | CNW_TTP | 41.00 | 0.00 |
| tblVehicleTrips | CW_TTP | 59.00 | 100.00 |
| tblVehicleTrips | DV_TP | 5.00 | 0.00 |
| tblVehicleTrips | PB_TP | 3.00 | 0.00 |
| tblVehicleTrips | PR_TP | 92.00 | 100.00 |
| tblVehicleTrips | ST_TR | 1.96 | 0.00 |
| tblVehicleTrips | ST_TR | 1.74 | 1.04 |
| tblVehicleTrips | SU_TR | 2.19 | 0.00 |
| tblVehicleTrips | SU_TR | 1.74 | 1.04 |
| tblVehicleTrips | WD_TR | 0.78 | 0.00 |
| tblVehicleTrips | WD_TR | 1.74 | 1.04 |

2.0 Emissions Summary

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Winter

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|----------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|---------------|------------------------|------------------------|---------------|---------------|------------------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2024 | 2.7240 | 27.2156 | 20.1767 | 0.0408 | 19.8582 | 1.2303 | 21.0885 | 10.1558 | 1.1319 | 11.2877 | 0.0000 | 3,946.173 0 | 3,946.173 0 | 1.1968 | 0.0139 | 3,976.662 3 |
| 2025 | 29.3895 | 35.4459 | 49.1334 | 0.0915 | 8.1146 | 1.5241 | 9.6387 | 3.7863 | 1.4175 | 5.2038 | 0.0000 | 8,900.966 4 | 8,900.966 4 | 2.0913 | 0.1113 | 8,986.401 0 |
| Maximum | 29.3895 | 35.4459 | 49.1334 | 0.0915 | 19.8582 | 1.5241 | 21.0885 | 10.1558 | 1.4175 | 11.2877 | 0.0000 | 8,900.966 4 | 8,900.966 4 | 2.0913 | 0.1113 | 8,986.401 0 |

Mitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|---------------|------------------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2024 | 2.7240 | 27.2156 | 20.1767 | 0.0408 | 7.4736 | 1.2303 | 8.7039 | 3.7937 | 1.1319 | 4.9256 | 0.0000 | 3,946.173 0 | 3,946.173 0 | 1.1968 | 0.0139 | 3,976.662 3 |
| 2025 | 29.3895 | 35.4459 | 49.1334 | 0.0915 | 3.9103 | 1.5241 | 5.4344 | 1.6470 | 1.4175 | 3.0644 | 0.0000 | 8,900.966 4 | 8,900.966 4 | 2.0913 | 0.1113 | 8,986.401 0 |
| Maximum | 29.3895 | 35.4459 | 49.1334 | 0.0915 | 7.4736 | 1.5241 | 8.7039 | 3.7937 | 1.4175 | 4.9256 | 0.0000 | 8,900.966 4 | 8,900.966 4 | 2.0913 | 0.1113 | 8,986.401 0 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Winter

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

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 59.30 | 0.00 | 53.99 | 60.98 | 0.00 | 51.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Winter

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

2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 2.6665 | 2.0000e-004 | 0.0221 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0475 | 0.0475 | 1.2000e-004 | | 0.0506 |
| Energy | 7.0300e-003 | 0.0640 | 0.0537 | 3.8000e-004 | | 4.8600e-003 | 4.8600e-003 | | 4.8600e-003 | 4.8600e-003 | | 76.7396 | 76.7396 | 1.4700e-003 | 1.4100e-003 | 77.1956 |
| Mobile | 0.3462 | 0.3733 | 4.5265 | 0.0117 | 1.5598 | 7.0800e-003 | 1.5669 | 0.4137 | 6.5500e-003 | 0.4202 | | 1,184.5874 | 1,184.5874 | 0.0466 | 0.0338 | 1,195.8244 |
| Total | 3.0198 | 0.4374 | 4.6023 | 0.0121 | 1.5598 | 0.0120 | 1.5719 | 0.4137 | 0.0115 | 0.4252 | | 1,261.3744 | 1,261.3744 | 0.0482 | 0.0352 | 1,273.0706 |

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 | 2.6665 | 2.0000e-004 | 0.0221 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0475 | 0.0475 | 1.2000e-004 | | 0.0506 |
| Energy | 7.0300e-003 | 0.0640 | 0.0537 | 3.8000e-004 | | 4.8600e-003 | 4.8600e-003 | | 4.8600e-003 | 4.8600e-003 | | 76.7396 | 76.7396 | 1.4700e-003 | 1.4100e-003 | 77.1956 |
| Mobile | 0.3462 | 0.3733 | 4.5265 | 0.0117 | 1.5598 | 7.0800e-003 | 1.5669 | 0.4137 | 6.5500e-003 | 0.4202 | | 1,184.5874 | 1,184.5874 | 0.0466 | 0.0338 | 1,195.8244 |
| Total | 3.0198 | 0.4374 | 4.6023 | 0.0121 | 1.5598 | 0.0120 | 1.5719 | 0.4137 | 0.0115 | 0.4252 | | 1,261.3744 | 1,261.3744 | 0.0482 | 0.0352 | 1,273.0706 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Winter

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

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Demolition | Demolition | 7/1/2024 | 8/30/2024 | 5 | 45 | |
| 2 | Building Construction | Building Construction | 2/1/2025 | 5/30/2025 | 5 | 85 | |
| 3 | Infrastructure Improvements | Grading | 2/2/2025 | 6/1/2025 | 5 | 85 | |
| 4 | Paving | Paving | 3/1/2025 | 5/30/2025 | 5 | 65 | |
| 5 | Architectural Coating | Architectural Coating | 4/1/2025 | 5/30/2025 | 5 | 44 | |
| 6 | Grading | Grading | 9/16/2024 | 1/31/2025 | 5 | 100 | |
| 7 | Site Preparation | Site Preparation | 9/2/2024 | 9/15/2024 | 5 | 10 | |

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 42.5

Acres of Paving: 2.25

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 177,675; Non-Residential Outdoor: 59,225; Striped Parking Area: 2,352 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|--------------------------|--------|-------------|-------------|-------------|
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Demolition | Excavators | 3 | 8.00 | 158 | 0.38 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Winter

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

| | | | | | |
|-----------------------------|---------------------------|---|------|-----|------|
| Grading | Excavators | 1 | 8.00 | 158 | 0.38 |
| Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Paving | Pavers | 2 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 2 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Demolition | Rubber Tired Dozers | 2 | 8.00 | 247 | 0.40 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 247 | 0.40 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Grading | Tractors/Loaders/Backhoes | 3 | 8.00 | 97 | 0.37 |
| Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Infrastructure Improvements | Excavators | 1 | 8.00 | 158 | 0.38 |
| Infrastructure Improvements | Graders | 0 | 8.00 | 187 | 0.41 |
| Infrastructure Improvements | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Infrastructure Improvements | Tractors/Loaders/Backhoes | 3 | 8.00 | 97 | 0.37 |

Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition | 6 | 15.00 | 0.00 | 49.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 6 | 15.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 78.00 | 31.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 6 | 15.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 16.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Winter

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

| | | | | | | | | | | |
|-----------------------------|---|-------|------|------|-------|------|-------|--------|---------|------|
| Infrastructure Improvements | 5 | 13.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
|-----------------------------|---|-------|------|------|-------|------|-------|--------|---------|------|

3.1 Mitigation Measures Construction

- Replace Ground Cover
- Water Exposed Area
- Water Unpaved Roads
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads

3.2 Demolition - 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 | | | | | 0.2378 | 0.0000 | 0.2378 | 0.0360 | 0.0000 | 0.0360 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.2437 | 20.8781 | 19.7073 | 0.0388 | | 0.9602 | 0.9602 | | 0.8922 | 0.8922 | | 3,747.4228 | 3,747.4228 | 1.0485 | | 3,773.6345 |
| Total | 2.2437 | 20.8781 | 19.7073 | 0.0388 | 0.2378 | 0.9602 | 1.1979 | 0.0360 | 0.8922 | 0.9282 | | 3,747.4228 | 3,747.4228 | 1.0485 | | 3,773.6345 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Winter

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

3.2 Demolition - 2024

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 2.4000e-003 | 0.1267 | 0.0372 | 6.0000e-004 | 0.0191 | 1.2500e-003 | 0.0203 | 5.2300e-003 | 1.1900e-003 | 6.4200e-003 | | 65.6005 | 65.6005 | 2.7500e-003 | 0.0104 | 68.7678 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0526 | 0.0330 | 0.4321 | 1.3200e-003 | 0.1677 | 7.9000e-004 | 0.1685 | 0.0445 | 7.3000e-004 | 0.0452 | | 133.1498 | 133.1498 | 3.3200e-003 | 3.4500e-003 | 134.2600 |
| Total | 0.0550 | 0.1596 | 0.4694 | 1.9200e-003 | 0.1867 | 2.0400e-003 | 0.1888 | 0.0497 | 1.9200e-003 | 0.0516 | | 198.7503 | 198.7503 | 6.0700e-003 | 0.0139 | 203.0278 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.0881 | 0.0000 | 0.0881 | 0.0133 | 0.0000 | 0.0133 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.2437 | 20.8781 | 19.7073 | 0.0388 | | 0.9602 | 0.9602 | | 0.8922 | 0.8922 | 0.0000 | 3,747.4228 | 3,747.4228 | 1.0485 | | 3,773.6345 |
| Total | 2.2437 | 20.8781 | 19.7073 | 0.0388 | 0.0881 | 0.9602 | 1.0483 | 0.0133 | 0.8922 | 0.9055 | 0.0000 | 3,747.4228 | 3,747.4228 | 1.0485 | | 3,773.6345 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Winter

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

3.2 Demolition - 2024

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 2.4000e-003 | 0.1267 | 0.0372 | 6.0000e-004 | 0.0182 | 1.2500e-003 | 0.0195 | 5.0200e-003 | 1.1900e-003 | 6.2100e-003 | | 65.6005 | 65.6005 | 2.7500e-003 | 0.0104 | 68.7678 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0526 | 0.0330 | 0.4321 | 1.3200e-003 | 0.1589 | 7.9000e-004 | 0.1597 | 0.0423 | 7.3000e-004 | 0.0431 | | 133.1498 | 133.1498 | 3.3200e-003 | 3.4500e-003 | 134.2600 |
| Total | 0.0550 | 0.1596 | 0.4694 | 1.9200e-003 | 0.1771 | 2.0400e-003 | 0.1792 | 0.0473 | 1.9200e-003 | 0.0493 | | 198.7503 | 198.7503 | 6.0700e-003 | 0.0139 | 203.0278 |

3.3 Building Construction - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | | 2,556.4744 | 2,556.4744 | 0.6010 | | 2,571.4981 |
| Total | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | | 2,556.4744 | 2,556.4744 | 0.6010 | | 2,571.4981 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Winter

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

3.3 Building Construction - 2025

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0322 | 1.1518 | 0.4555 | 5.3800e-003 | 0.1986 | 8.0700e-003 | 0.2067 | 0.0572 | 7.7200e-003 | 0.0649 | | 576.7629 | 576.7629 | 0.0145 | 0.0852 | 602.5051 |
| Worker | 0.2549 | 0.1530 | 2.0843 | 6.6200e-003 | 0.8719 | 3.9100e-003 | 0.8758 | 0.2312 | 3.6000e-003 | 0.2348 | | 668.7991 | 668.7991 | 0.0156 | 0.0167 | 674.1591 |
| Total | 0.2871 | 1.3047 | 2.5398 | 0.0120 | 1.0705 | 0.0120 | 1.0824 | 0.2884 | 0.0113 | 0.2997 | | 1,245.5620 | 1,245.5620 | 0.0301 | 0.1019 | 1,276.6641 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive 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 | 2,556.4744 | 2,556.4744 | 0.6010 | | 2,571.4981 |
| Total | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | 0.0000 | 2,556.4744 | 2,556.4744 | 0.6010 | | 2,571.4981 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Winter

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

3.3 Building Construction - 2025

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0322 | 1.1518 | 0.4555 | 5.3800e-003 | 0.1901 | 8.0700e-003 | 0.1982 | 0.0551 | 7.7200e-003 | 0.0628 | | 576.7629 | 576.7629 | 0.0145 | 0.0852 | 602.5051 |
| Worker | 0.2549 | 0.1530 | 2.0843 | 6.6200e-003 | 0.8264 | 3.9100e-003 | 0.8303 | 0.2201 | 3.6000e-003 | 0.2237 | | 668.7991 | 668.7991 | 0.0156 | 0.0167 | 674.1591 |
| Total | 0.2871 | 1.3047 | 2.5398 | 0.0120 | 1.0165 | 0.0120 | 1.0285 | 0.2752 | 0.0113 | 0.2865 | | 1,245.5620 | 1,245.5620 | 0.0301 | 0.1019 | 1,276.6641 |

3.4 Infrastructure Improvements - 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 | | | | | |
| Fugitive Dust | | | | | 6.5523 | 0.0000 | 6.5523 | 3.3675 | 0.0000 | 3.3675 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.2116 | 11.8581 | 12.9461 | 0.0231 | | 0.5123 | 0.5123 | | 0.4713 | 0.4713 | | 2,233.4656 | 2,233.4656 | 0.7224 | | 2,251.5243 |
| Total | 1.2116 | 11.8581 | 12.9461 | 0.0231 | 6.5523 | 0.5123 | 7.0647 | 3.3675 | 0.4713 | 3.8388 | | 2,233.4656 | 2,233.4656 | 0.7224 | | 2,251.5243 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Winter

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

3.4 Infrastructure Improvements - 2025

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0425 | 0.0255 | 0.3474 | 1.1000e-003 | 0.1453 | 6.5000e-004 | 0.1460 | 0.0385 | 6.0000e-004 | 0.0391 | | 111.4665 | 111.4665 | 2.6000e-003 | 2.7800e-003 | 112.3598 |
| Total | 0.0425 | 0.0255 | 0.3474 | 1.1000e-003 | 0.1453 | 6.5000e-004 | 0.1460 | 0.0385 | 6.0000e-004 | 0.0391 | | 111.4665 | 111.4665 | 2.6000e-003 | 2.7800e-003 | 112.3598 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | | | | | 2.4276 | 0.0000 | 2.4276 | 1.2477 | 0.0000 | 1.2477 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.2116 | 11.8581 | 12.9461 | 0.0231 | | 0.5123 | 0.5123 | | 0.4713 | 0.4713 | 0.0000 | 2,233.4656 | 2,233.4656 | 0.7224 | | 2,251.5243 |
| Total | 1.2116 | 11.8581 | 12.9461 | 0.0231 | 2.4276 | 0.5123 | 2.9400 | 1.2477 | 0.4713 | 1.7190 | 0.0000 | 2,233.4656 | 2,233.4656 | 0.7224 | | 2,251.5243 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Winter

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

3.4 Infrastructure Improvements - 2025

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0425 | 0.0255 | 0.3474 | 1.1000e-003 | 0.1377 | 6.5000e-004 | 0.1384 | 0.0367 | 6.0000e-004 | 0.0373 | | 111.4665 | 111.4665 | 2.6000e-003 | 2.7800e-003 | 112.3598 |
| Total | 0.0425 | 0.0255 | 0.3474 | 1.1000e-003 | 0.1377 | 6.5000e-004 | 0.1384 | 0.0367 | 6.0000e-004 | 0.0373 | | 111.4665 | 111.4665 | 2.6000e-003 | 2.7800e-003 | 112.3598 |

3.5 Paving - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.9152 | 8.5816 | 14.5780 | 0.0228 | | 0.4185 | 0.4185 | | 0.3850 | 0.3850 | | 2,206.7452 | 2,206.7452 | 0.7137 | | 2,224.5878 |
| Paving | 0.0907 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.0058 | 8.5816 | 14.5780 | 0.0228 | | 0.4185 | 0.4185 | | 0.3850 | 0.3850 | | 2,206.7452 | 2,206.7452 | 0.7137 | | 2,224.5878 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Winter

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

3.5 Paving - 2025

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0490 | 0.0294 | 0.4008 | 1.2700e-003 | 0.1677 | 7.5000e-004 | 0.1684 | 0.0445 | 6.9000e-004 | 0.0452 | | 128.6152 | 128.6152 | 3.0000e-003 | 3.2100e-003 | 129.6460 |
| Total | 0.0490 | 0.0294 | 0.4008 | 1.2700e-003 | 0.1677 | 7.5000e-004 | 0.1684 | 0.0445 | 6.9000e-004 | 0.0452 | | 128.6152 | 128.6152 | 3.0000e-003 | 3.2100e-003 | 129.6460 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.9152 | 8.5816 | 14.5780 | 0.0228 | | 0.4185 | 0.4185 | | 0.3850 | 0.3850 | 0.0000 | 2,206.7452 | 2,206.7452 | 0.7137 | | 2,224.5878 |
| Paving | 0.0907 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.0058 | 8.5816 | 14.5780 | 0.0228 | | 0.4185 | 0.4185 | | 0.3850 | 0.3850 | 0.0000 | 2,206.7452 | 2,206.7452 | 0.7137 | | 2,224.5878 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Winter

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

3.5 Paving - 2025

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0490 | 0.0294 | 0.4008 | 1.2700e-003 | 0.1589 | 7.5000e-004 | 0.1597 | 0.0423 | 6.9000e-004 | 0.0430 | | 128.6152 | 128.6152 | 3.0000e-003 | 3.2100e-003 | 129.6460 |
| Total | 0.0490 | 0.0294 | 0.4008 | 1.2700e-003 | 0.1589 | 7.5000e-004 | 0.1597 | 0.0423 | 6.9000e-004 | 0.0430 | | 128.6152 | 128.6152 | 3.0000e-003 | 3.2100e-003 | 129.6460 |

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 25.2030 | | | | | 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 | 25.3739 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Winter

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

3.6 Architectural Coating - 2025

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0523 | 0.0314 | 0.4276 | 1.3600e-003 | 0.1788 | 8.0000e-004 | 0.1796 | 0.0474 | 7.4000e-004 | 0.0482 | | 137.1896 | 137.1896 | 3.2000e-003 | 3.4200e-003 | 138.2890 |
| Total | 0.0523 | 0.0314 | 0.4276 | 1.3600e-003 | 0.1788 | 8.0000e-004 | 0.1796 | 0.0474 | 7.4000e-004 | 0.0482 | | 137.1896 | 137.1896 | 3.2000e-003 | 3.4200e-003 | 138.2890 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 25.2030 | | | | | 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 | 25.3739 | 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 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Winter

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

3.6 Architectural Coating - 2025

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0523 | 0.0314 | 0.4276 | 1.3600e-003 | 0.1695 | 8.0000e-004 | 0.1703 | 0.0451 | 7.4000e-004 | 0.0459 | | 137.1896 | 137.1896 | 3.2000e-003 | 3.4200e-003 | 138.2890 |
| Total | 0.0523 | 0.0314 | 0.4276 | 1.3600e-003 | 0.1695 | 8.0000e-004 | 0.1703 | 0.0451 | 7.4000e-004 | 0.0459 | | 137.1896 | 137.1896 | 3.2000e-003 | 3.4200e-003 | 138.2890 |

3.7 Grading - 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 | | | | | 7.0826 | 0.0000 | 7.0826 | 3.4247 | 0.0000 | 3.4247 | | | 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 | 7.0826 | 0.7244 | 7.8070 | 3.4247 | 0.6665 | 4.0912 | | 2,873.054 1 | 2,873.054 1 | 0.9292 | | 2,896.284 2 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Winter

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

3.7 Grading - 2024

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0526 | 0.0330 | 0.4321 | 1.3200e-003 | 0.1677 | 7.9000e-004 | 0.1685 | 0.0445 | 7.3000e-004 | 0.0452 | | 133.1498 | 133.1498 | 3.3200e-003 | 3.4500e-003 | 134.2600 |
| Total | 0.0526 | 0.0330 | 0.4321 | 1.3200e-003 | 0.1677 | 7.9000e-004 | 0.1685 | 0.0445 | 7.3000e-004 | 0.0452 | | 133.1498 | 133.1498 | 3.3200e-003 | 3.4500e-003 | 134.2600 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | | | | | 2.6241 | 0.0000 | 2.6241 | 1.2689 | 0.0000 | 1.2689 | | | 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 | 2.6241 | 0.7244 | 3.3485 | 1.2689 | 0.6665 | 1.9353 | 0.0000 | 2,873.054 1 | 2,873.054 1 | 0.9292 | | 2,896.284 2 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Winter

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

3.7 Grading - 2024

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0526 | 0.0330 | 0.4321 | 1.3200e-003 | 0.1589 | 7.9000e-004 | 0.1597 | 0.0423 | 7.3000e-004 | 0.0431 | | 133.1498 | 133.1498 | 3.3200e-003 | 3.4500e-003 | 134.2600 |
| Total | 0.0526 | 0.0330 | 0.4321 | 1.3200e-003 | 0.1589 | 7.9000e-004 | 0.1597 | 0.0423 | 7.3000e-004 | 0.0431 | | 133.1498 | 133.1498 | 3.3200e-003 | 3.4500e-003 | 134.2600 |

3.7 Grading - 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 | | | | | |
| Fugitive Dust | | | | | 7.0826 | 0.0000 | 7.0826 | 3.4247 | 0.0000 | 3.4247 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.5227 | 15.3148 | 14.5402 | 0.0297 | | 0.6236 | 0.6236 | | 0.5737 | 0.5737 | | 2,873.7052 | 2,873.7052 | 0.9294 | | 2,896.9405 |
| Total | 1.5227 | 15.3148 | 14.5402 | 0.0297 | 7.0826 | 0.6236 | 7.7062 | 3.4247 | 0.5737 | 3.9984 | | 2,873.7052 | 2,873.7052 | 0.9294 | | 2,896.9405 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Winter

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

3.7 Grading - 2025

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0490 | 0.0294 | 0.4008 | 1.2700e-003 | 0.1677 | 7.5000e-004 | 0.1684 | 0.0445 | 6.9000e-004 | 0.0452 | | 128.6152 | 128.6152 | 3.0000e-003 | 3.2100e-003 | 129.6460 |
| Total | 0.0490 | 0.0294 | 0.4008 | 1.2700e-003 | 0.1677 | 7.5000e-004 | 0.1684 | 0.0445 | 6.9000e-004 | 0.0452 | | 128.6152 | 128.6152 | 3.0000e-003 | 3.2100e-003 | 129.6460 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | | | | | 2.6241 | 0.0000 | 2.6241 | 1.2689 | 0.0000 | 1.2689 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.5227 | 15.3148 | 14.5402 | 0.0297 | | 0.6236 | 0.6236 | | 0.5737 | 0.5737 | 0.0000 | 2,873.7052 | 2,873.7052 | 0.9294 | | 2,896.9405 |
| Total | 1.5227 | 15.3148 | 14.5402 | 0.0297 | 2.6241 | 0.6236 | 3.2477 | 1.2689 | 0.5737 | 1.8425 | 0.0000 | 2,873.7052 | 2,873.7052 | 0.9294 | | 2,896.9405 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Winter

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

3.7 Grading - 2025

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0490 | 0.0294 | 0.4008 | 1.2700e-003 | 0.1589 | 7.5000e-004 | 0.1597 | 0.0423 | 6.9000e-004 | 0.0430 | | 128.6152 | 128.6152 | 3.0000e-003 | 3.2100e-003 | 129.6460 |
| Total | 0.0490 | 0.0294 | 0.4008 | 1.2700e-003 | 0.1589 | 7.5000e-004 | 0.1597 | 0.0423 | 6.9000e-004 | 0.0430 | | 128.6152 | 128.6152 | 3.0000e-003 | 3.2100e-003 | 129.6460 |

3.8 Site Preparation - 2024

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 19.6570 | 0.0000 | 19.6570 | 10.1025 | 0.0000 | 10.1025 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.6609 | 27.1760 | 18.3356 | 0.0381 | | 1.2294 | 1.2294 | | 1.1310 | 1.1310 | | 3,688.0100 | 3,688.0100 | 1.1928 | | 3,717.8294 |
| Total | 2.6609 | 27.1760 | 18.3356 | 0.0381 | 19.6570 | 1.2294 | 20.8864 | 10.1025 | 1.1310 | 11.2335 | | 3,688.0100 | 3,688.0100 | 1.1928 | | 3,717.8294 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Winter

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

3.8 Site Preparation - 2024

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0631 | 0.0396 | 0.5186 | 1.5800e-003 | 0.2012 | 9.5000e-004 | 0.2022 | 0.0534 | 8.7000e-004 | 0.0542 | | 159.7797 | 159.7797 | 3.9900e-003 | 4.1400e-003 | 161.1120 |
| Total | 0.0631 | 0.0396 | 0.5186 | 1.5800e-003 | 0.2012 | 9.5000e-004 | 0.2022 | 0.0534 | 8.7000e-004 | 0.0542 | | 159.7797 | 159.7797 | 3.9900e-003 | 4.1400e-003 | 161.1120 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | | | | | 7.2829 | 0.0000 | 7.2829 | 3.7430 | 0.0000 | 3.7430 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.6609 | 27.1760 | 18.3356 | 0.0381 | | 1.2294 | 1.2294 | | 1.1310 | 1.1310 | 0.0000 | 3,688.0100 | 3,688.0100 | 1.1928 | | 3,717.8294 |
| Total | 2.6609 | 27.1760 | 18.3356 | 0.0381 | 7.2829 | 1.2294 | 8.5123 | 3.7430 | 1.1310 | 4.8740 | 0.0000 | 3,688.0100 | 3,688.0100 | 1.1928 | | 3,717.8294 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Winter

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

3.8 Site Preparation - 2024

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0631 | 0.0396 | 0.5186 | 1.5800e-003 | 0.1907 | 9.5000e-004 | 0.1917 | 0.0508 | 8.7000e-004 | 0.0517 | | 159.7797 | 159.7797 | 3.9900e-003 | 4.1400e-003 | 161.1120 |
| Total | 0.0631 | 0.0396 | 0.5186 | 1.5800e-003 | 0.1907 | 9.5000e-004 | 0.1917 | 0.0508 | 8.7000e-004 | 0.0517 | | 159.7797 | 159.7797 | 3.9900e-003 | 4.1400e-003 | 161.1120 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Winter

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

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------------|----------------|--------|--------|----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.3462 | 0.3733 | 4.5265 | 0.0117 | 1.5598 | 7.0800e-003 | 1.5669 | 0.4137 | 6.5500e-003 | 0.4202 | | 1,184,587 4 | 1,184,587 4 | 0.0466 | 0.0338 | 1,195,824 4 |
| Unmitigated | 0.3462 | 0.3733 | 4.5265 | 0.0117 | 1.5598 | 7.0800e-003 | 1.5669 | 0.4137 | 6.5500e-003 | 0.4202 | | 1,184,587 4 | 1,184,587 4 | 0.0466 | 0.0338 | 1,195,824 4 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------------|-------------------------|---------------|---------------|----------------|----------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| City Park | 0.00 | 0.00 | 0.00 | | |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 123.60 | 123.60 | 123.60 | 746,842 | 746,842 |
| Total | 123.60 | 123.60 | 123.60 | 746,842 | 746,842 |

4.3 Trip Type Information

| Land Use | Miles | | | Trip % | | | Trip Purpose % | | |
|-----------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
| | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| City Park | 16.60 | 8.40 | 6.90 | 33.00 | 48.00 | 19.00 | 66 | 28 | 6 |
| Parking Lot | 16.60 | 8.40 | 6.90 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Unrefrigerated Warehouse-No | 16.60 | 8.40 | 6.90 | 100.00 | 0.00 | 0.00 | 100 | 0 | 0 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| City Park | 0.543085 | 0.056300 | 0.173085 | 0.134258 | 0.025645 | 0.007009 | 0.011926 | 0.017481 | 0.000552 | 0.000248 | 0.024848 | 0.000956 | 0.004606 |
| Parking Lot | 0.543085 | 0.056300 | 0.173085 | 0.134258 | 0.025645 | 0.007009 | 0.011926 | 0.017481 | 0.000552 | 0.000248 | 0.024848 | 0.000956 | 0.004606 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Winter

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

| | | | | | | | | | | | | | |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Unrefrigerated Warehouse-No Rail | 0.737217 | 0.035584 | 0.108187 | 0.085659 | 0.017059 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.016295 | 0.000000 | 0.000000 |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|-------------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|---------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 7.0300e-003 | 0.0640 | 0.0537 | 3.8000e-004 | | 4.8600e-003 | 4.8600e-003 | | 4.8600e-003 | 4.8600e-003 | | 76.7396 | 76.7396 | 1.4700e-003 | 1.4100e-003 | 77.1956 |
| NaturalGas Unmitigated | 7.0300e-003 | 0.0640 | 0.0537 | 3.8000e-004 | | 4.8600e-003 | 4.8600e-003 | | 4.8600e-003 | 4.8600e-003 | | 76.7396 | 76.7396 | 1.4700e-003 | 1.4100e-003 | 77.1956 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Winter

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|----------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| City Park | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 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 |
| Unrefrigerated Warehouse-No Rail | 652.286 | 7.0300e-003 | 0.0640 | 0.0537 | 3.8000e-004 | | 4.8600e-003 | 4.8600e-003 | | 4.8600e-003 | 4.8600e-003 | | 76.7396 | 76.7396 | 1.4700e-003 | 1.4100e-003 | 77.1956 |
| Total | | 7.0300e-003 | 0.0640 | 0.0537 | 3.8000e-004 | | 4.8600e-003 | 4.8600e-003 | | 4.8600e-003 | 4.8600e-003 | | 76.7396 | 76.7396 | 1.4700e-003 | 1.4100e-003 | 77.1956 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Winter

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

5.2 Energy by Land Use - NaturalGas

Mitigated

| | NaturalGas s Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--|---------------------|-------------------------|---------------|---------------|-------------------------|------------------|-------------------------|-------------------------|-------------------|-------------------------|-------------------------|----------|----------------|----------------|-------------------------|-------------------------|----------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| City Park | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 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 |
| Unrefrigerated Warehouse-No Rail | 0.652286 | 7.0300e- 003 | 0.0640 | 0.0537 | 3.8000e- 004 | | 4.8600e- 003 | 4.8600e- 003 | | 4.8600e- 003 | 4.8600e- 003 | | 76.7396 | 76.7396 | 1.4700e- 003 | 1.4100e- 003 | 77.1956 |
| Total | | 7.0300e- 003 | 0.0640 | 0.0537 | 3.8000e- 004 | | 4.8600e- 003 | 4.8600e- 003 | | 4.8600e- 003 | 4.8600e- 003 | | 76.7396 | 76.7396 | 1.4700e- 003 | 1.4100e- 003 | 77.1956 |

6.0 Area Detail

6.1 Mitigation Measures Area

No Hearths Installed

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Winter

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

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|-------------|--------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 2.6665 | 2.0000e-004 | 0.0221 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0475 | 0.0475 | 1.2000e-004 | | 0.0506 |
| Unmitigated | 2.6665 | 2.0000e-004 | 0.0221 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0475 | 0.0475 | 1.2000e-004 | | 0.0506 |

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 | 0.3038 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 2.3607 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 2.0400e-003 | 2.0000e-004 | 0.0221 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0475 | 0.0475 | 1.2000e-004 | | 0.0506 |
| Total | 2.6665 | 2.0000e-004 | 0.0221 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0475 | 0.0475 | 1.2000e-004 | | 0.0506 |

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Winter

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

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 | 0.3038 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 2.3607 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 2.0400e-003 | 2.0000e-004 | 0.0221 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0475 | 0.0475 | 1.2000e-004 | | 0.0506 |
| Total | 2.6665 | 2.0000e-004 | 0.0221 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0475 | 0.0475 | 1.2000e-004 | | 0.0506 |

7.0 Water Detail

7.1 Mitigation Measures Water

2720 Willow Ave. Warehouse_Construction+Passenger Cars - San Bernardino-South Coast County, Winter

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Summer

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

**2720 Willow Ave. Warehouse_Trucks Only
San Bernardino-South Coast County, Summer**

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|--------|----------|-------------|--------------------|------------|
| Unrefrigerated Warehouse-No Rail | 118.45 | 1000sqft | 2.72 | 118,450.00 | 0 |
| Parking Lot | 98.00 | Space | 2.25 | 39,200.00 | 0 |
| City Park | 0.66 | Acre | 0.66 | 28,749.60 | 0 |

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/MWhr) | 390.98 | CH4 Intensity (lb/MWhr) | 0.033 | N2O Intensity (lb/MWhr) | 0.004 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Per site plan.

Construction Phase - Per construction questionnaire.

Off-road Equipment - Infrastructure Improvements

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Grading -

Demolition -

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Summer

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

Vehicle Trips - Trucks only.

Construction Off-road Equipment Mitigation - SCAQMD Rules and Regulations.

Area Mitigation -

Waste Mitigation -

Water Mitigation -

Fleet Mix - Trucks only.

| Table Name | Column Name | Default Value | New Value |
|------------------------|---------------------------------|---------------|-----------|
| tblConstDustMitigation | CleanPavedRoadPercentReduction | 0 | 6 |
| tblConstDustMitigation | WaterUnpavedRoadMoistureContent | 0 | 12 |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 0 | 15 |
| tblConstructionPhase | NumDays | 20.00 | 44.00 |
| tblConstructionPhase | NumDays | 230.00 | 85.00 |
| tblConstructionPhase | NumDays | 20.00 | 45.00 |
| tblConstructionPhase | NumDays | 20.00 | 100.00 |
| tblConstructionPhase | NumDays | 20.00 | 65.00 |
| tblConstructionPhase | NumDays | 20.00 | 85.00 |
| tblConstructionPhase | PhaseEndDate | 9/19/2025 | 5/30/2025 |
| tblConstructionPhase | PhaseEndDate | 7/25/2025 | 5/30/2025 |
| tblConstructionPhase | PhaseEndDate | 7/26/2024 | 8/30/2024 |
| tblConstructionPhase | PhaseEndDate | 9/6/2024 | 1/31/2025 |
| tblConstructionPhase | PhaseEndDate | 8/22/2025 | 5/30/2025 |
| tblConstructionPhase | PhaseEndDate | 8/9/2024 | 9/15/2024 |
| tblConstructionPhase | PhaseStartDate | 8/23/2025 | 4/1/2025 |
| tblConstructionPhase | PhaseStartDate | 9/7/2024 | 2/1/2025 |
| tblConstructionPhase | PhaseStartDate | 8/10/2024 | 9/16/2024 |
| tblConstructionPhase | PhaseStartDate | 7/26/2025 | 3/1/2025 |
| tblConstructionPhase | PhaseStartDate | 7/27/2024 | 9/2/2024 |
| tblFleetMix | HHD | 0.02 | 0.70 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Summer

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

| | | | |
|---------------------|----------------------------|-------------|--------|
| tblFleetMix | LDA | 0.54 | 0.00 |
| tblFleetMix | LDT1 | 0.06 | 0.00 |
| tblFleetMix | LDT2 | 0.17 | 0.00 |
| tblFleetMix | LHD1 | 0.03 | 0.00 |
| tblFleetMix | LHD2 | 7.0090e-003 | 0.02 |
| tblFleetMix | MCY | 0.02 | 0.00 |
| tblFleetMix | MDV | 0.13 | 0.00 |
| tblFleetMix | MH | 4.6060e-003 | 0.00 |
| tblFleetMix | MHD | 0.01 | 0.28 |
| tblFleetMix | OBUS | 5.5200e-004 | 0.00 |
| tblFleetMix | SBUS | 9.5600e-004 | 0.00 |
| tblFleetMix | UBUS | 2.4800e-004 | 0.00 |
| tblLandUse | LotAcreage | 0.88 | 2.25 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblVehicleTrips | CNW_TL | 6.90 | 33.20 |
| tblVehicleTrips | CNW_TTP | 41.00 | 100.00 |
| tblVehicleTrips | CW_TTP | 59.00 | 0.00 |
| tblVehicleTrips | DV_TP | 5.00 | 0.00 |
| tblVehicleTrips | PB_TP | 3.00 | 0.00 |
| tblVehicleTrips | PR_TP | 92.00 | 100.00 |
| tblVehicleTrips | ST_TR | 1.96 | 0.00 |
| tblVehicleTrips | ST_TR | 1.74 | 0.70 |
| tblVehicleTrips | SU_TR | 2.19 | 0.00 |
| tblVehicleTrips | SU_TR | 1.74 | 0.70 |
| tblVehicleTrips | WD_TR | 0.78 | 0.00 |
| tblVehicleTrips | WD_TR | 1.74 | 0.70 |

2.0 Emissions Summary

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Summer

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|----------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|---------------|-------------------|-------------------|---------------|---------------|-------------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2024 | 2.7262 | 27.2137 | 20.2684 | 0.0409 | 19.8582 | 1.2303 | 21.0885 | 10.1558 | 1.1319 | 11.2877 | 0.0000 | 3,959.8588 | 3,959.8588 | 1.1968 | 0.0137 | 3,990.3117 |
| 2025 | 29.4053 | 35.3731 | 49.8109 | 0.0926 | 8.1146 | 1.5241 | 9.6387 | 3.7863 | 1.4175 | 5.2038 | 0.0000 | 9,007.5654 | 9,007.5654 | 2.0912 | 0.1102 | 9,092.6838 |
| Maximum | 29.4053 | 35.3731 | 49.8109 | 0.0926 | 19.8582 | 1.5241 | 21.0885 | 10.1558 | 1.4175 | 11.2877 | 0.0000 | 9,007.5654 | 9,007.5654 | 2.0912 | 0.1102 | 9,092.6838 |

Mitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|---------------|-------------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2024 | 2.7262 | 27.2137 | 20.2684 | 0.0409 | 7.4736 | 1.2303 | 8.7039 | 3.7937 | 1.1319 | 4.9256 | 0.0000 | 3,959.8588 | 3,959.8588 | 1.1968 | 0.0137 | 3,990.3117 |
| 2025 | 29.4053 | 35.3731 | 49.8109 | 0.0926 | 3.9103 | 1.5241 | 5.4344 | 1.6470 | 1.4175 | 3.0644 | 0.0000 | 9,007.5654 | 9,007.5654 | 2.0912 | 0.1102 | 9,092.6838 |
| Maximum | 29.4053 | 35.3731 | 49.8109 | 0.0926 | 7.4736 | 1.5241 | 8.7039 | 3.7937 | 1.4175 | 4.9256 | 0.0000 | 9,007.5654 | 9,007.5654 | 2.0912 | 0.1102 | 9,092.6838 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Summer

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

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 59.30 | 0.00 | 53.99 | 60.98 | 0.00 | 51.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Summer

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

2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 2.6665 | 2.0000e-004 | 0.0221 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0475 | 0.0475 | 1.2000e-004 | | 0.0506 |
| Energy | 7.0300e-003 | 0.0640 | 0.0537 | 3.8000e-004 | | 4.8600e-003 | 4.8600e-003 | | 4.8600e-003 | 4.8600e-003 | | 76.7396 | 76.7396 | 1.4700e-003 | 1.4100e-003 | 77.1956 |
| Mobile | 0.2045 | 11.5861 | 2.8625 | 0.0667 | 2.4850 | 0.1233 | 2.6084 | 0.7009 | 0.1180 | 0.8189 | | 7,207.2591 | 7,207.2591 | 0.2365 | 1.0924 | 7,538.7007 |
| Total | 2.8781 | 11.6502 | 2.9384 | 0.0671 | 2.4850 | 0.1283 | 2.6133 | 0.7009 | 0.1229 | 0.8238 | | 7,284.0462 | 7,284.0462 | 0.2381 | 1.0938 | 7,615.9469 |

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 | 2.6665 | 2.0000e-004 | 0.0221 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0475 | 0.0475 | 1.2000e-004 | | 0.0506 |
| Energy | 7.0300e-003 | 0.0640 | 0.0537 | 3.8000e-004 | | 4.8600e-003 | 4.8600e-003 | | 4.8600e-003 | 4.8600e-003 | | 76.7396 | 76.7396 | 1.4700e-003 | 1.4100e-003 | 77.1956 |
| Mobile | 0.2045 | 11.5861 | 2.8625 | 0.0667 | 2.4850 | 0.1233 | 2.6084 | 0.7009 | 0.1180 | 0.8189 | | 7,207.2591 | 7,207.2591 | 0.2365 | 1.0924 | 7,538.7007 |
| Total | 2.8781 | 11.6502 | 2.9384 | 0.0671 | 2.4850 | 0.1283 | 2.6133 | 0.7009 | 0.1229 | 0.8238 | | 7,284.0462 | 7,284.0462 | 0.2381 | 1.0938 | 7,615.9469 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Summer

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

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Demolition | Demolition | 7/1/2024 | 8/30/2024 | 5 | 45 | |
| 2 | Building Construction | Building Construction | 2/1/2025 | 5/30/2025 | 5 | 85 | |
| 3 | Infrastructure Improvements | Grading | 2/2/2025 | 6/1/2025 | 5 | 85 | |
| 4 | Paving | Paving | 3/1/2025 | 5/30/2025 | 5 | 65 | |
| 5 | Architectural Coating | Architectural Coating | 4/1/2025 | 5/30/2025 | 5 | 44 | |
| 6 | Grading | Grading | 9/16/2024 | 1/31/2025 | 5 | 100 | |
| 7 | Site Preparation | Site Preparation | 9/2/2024 | 9/15/2024 | 5 | 10 | |

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 42.5

Acres of Paving: 2.25

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 177,675; Non-Residential Outdoor: 59,225; Striped Parking Area: 2,352 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|--------------------------|--------|-------------|-------------|-------------|
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Demolition | Excavators | 3 | 8.00 | 158 | 0.38 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Summer

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

| | | | | | |
|-----------------------------|---------------------------|---|------|-----|------|
| Grading | Excavators | 1 | 8.00 | 158 | 0.38 |
| Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Paving | Pavers | 2 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 2 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Demolition | Rubber Tired Dozers | 2 | 8.00 | 247 | 0.40 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 247 | 0.40 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Grading | Tractors/Loaders/Backhoes | 3 | 8.00 | 97 | 0.37 |
| Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Infrastructure Improvements | Excavators | 1 | 8.00 | 158 | 0.38 |
| Infrastructure Improvements | Graders | 0 | 8.00 | 187 | 0.41 |
| Infrastructure Improvements | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Infrastructure Improvements | Tractors/Loaders/Backhoes | 3 | 8.00 | 97 | 0.37 |

Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition | 6 | 15.00 | 0.00 | 49.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 6 | 15.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 78.00 | 31.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 6 | 15.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 16.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Summer

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

| | | | | | | | | | | |
|-----------------------------|---|-------|------|------|-------|------|-------|--------|---------|------|
| Infrastructure Improvements | 5 | 13.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
|-----------------------------|---|-------|------|------|-------|------|-------|--------|---------|------|

3.1 Mitigation Measures Construction

- Replace Ground Cover
- Water Exposed Area
- Water Unpaved Roads
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads

3.2 Demolition - 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 | | | | | 0.2378 | 0.0000 | 0.2378 | 0.0360 | 0.0000 | 0.0360 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.2437 | 20.8781 | 19.7073 | 0.0388 | | 0.9602 | 0.9602 | | 0.8922 | 0.8922 | | 3,747.4228 | 3,747.4228 | 1.0485 | | 3,773.6345 |
| Total | 2.2437 | 20.8781 | 19.7073 | 0.0388 | 0.2378 | 0.9602 | 1.1979 | 0.0360 | 0.8922 | 0.9282 | | 3,747.4228 | 3,747.4228 | 1.0485 | | 3,773.6345 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Summer

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

3.2 Demolition - 2024

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 2.6000e-003 | 0.1202 | 0.0366 | 6.0000e-004 | 0.0191 | 1.2400e-003 | 0.0203 | 5.2300e-003 | 1.1900e-003 | 6.4200e-003 | | 65.5010 | 65.5010 | 2.7600e-003 | 0.0104 | 68.6638 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0544 | 0.0314 | 0.5245 | 1.4500e-003 | 0.1677 | 7.9000e-004 | 0.1685 | 0.0445 | 7.3000e-004 | 0.0452 | | 146.9351 | 146.9351 | 3.3100e-003 | 3.3400e-003 | 148.0134 |
| Total | 0.0570 | 0.1515 | 0.5610 | 2.0500e-003 | 0.1867 | 2.0300e-003 | 0.1888 | 0.0497 | 1.9200e-003 | 0.0516 | | 212.4360 | 212.4360 | 6.0700e-003 | 0.0137 | 216.6771 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.0881 | 0.0000 | 0.0881 | 0.0133 | 0.0000 | 0.0133 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.2437 | 20.8781 | 19.7073 | 0.0388 | | 0.9602 | 0.9602 | | 0.8922 | 0.8922 | 0.0000 | 3,747.4228 | 3,747.4228 | 1.0485 | | 3,773.6345 |
| Total | 2.2437 | 20.8781 | 19.7073 | 0.0388 | 0.0881 | 0.9602 | 1.0483 | 0.0133 | 0.8922 | 0.9055 | 0.0000 | 3,747.4228 | 3,747.4228 | 1.0485 | | 3,773.6345 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Summer

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

3.2 Demolition - 2024

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 2.6000e-003 | 0.1202 | 0.0366 | 6.0000e-004 | 0.0182 | 1.2400e-003 | 0.0195 | 5.0200e-003 | 1.1900e-003 | 6.2100e-003 | | 65.5010 | 65.5010 | 2.7600e-003 | 0.0104 | 68.6638 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0544 | 0.0314 | 0.5245 | 1.4500e-003 | 0.1589 | 7.9000e-004 | 0.1597 | 0.0423 | 7.3000e-004 | 0.0431 | | 146.9351 | 146.9351 | 3.3100e-003 | 3.3400e-003 | 148.0134 |
| Total | 0.0570 | 0.1515 | 0.5610 | 2.0500e-003 | 0.1771 | 2.0300e-003 | 0.1792 | 0.0473 | 1.9200e-003 | 0.0493 | | 212.4360 | 212.4360 | 6.0700e-003 | 0.0137 | 216.6771 |

3.3 Building Construction - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | | 2,556.4744 | 2,556.4744 | 0.6010 | | 2,571.4981 |
| Total | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | | 2,556.4744 | 2,556.4744 | 0.6010 | | 2,571.4981 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Summer

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

3.3 Building Construction - 2025

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0348 | 1.0905 | 0.4416 | 5.3700e-003 | 0.1986 | 8.0300e-003 | 0.2066 | 0.0572 | 7.6900e-003 | 0.0649 | | 575.3433 | 575.3433 | 0.0146 | 0.0849 | 601.0108 |
| Worker | 0.2633 | 0.1456 | 2.5263 | 7.3000e-003 | 0.8719 | 3.9100e-003 | 0.8758 | 0.2312 | 3.6000e-003 | 0.2348 | | 737.8602 | 737.8602 | 0.0155 | 0.0162 | 743.0658 |
| Total | 0.2981 | 1.2360 | 2.9679 | 0.0127 | 1.0705 | 0.0119 | 1.0824 | 0.2884 | 0.0113 | 0.2997 | | 1,313.2034 | 1,313.2034 | 0.0301 | 0.1011 | 1,344.0765 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive 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 | 2,556.4744 | 2,556.4744 | 0.6010 | | 2,571.4981 |
| Total | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | 0.0000 | 2,556.4744 | 2,556.4744 | 0.6010 | | 2,571.4981 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Summer

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

3.3 Building Construction - 2025

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0348 | 1.0905 | 0.4416 | 5.3700e-003 | 0.1901 | 8.0300e-003 | 0.1982 | 0.0551 | 7.6900e-003 | 0.0628 | | 575.3433 | 575.3433 | 0.0146 | 0.0849 | 601.0108 |
| Worker | 0.2633 | 0.1456 | 2.5263 | 7.3000e-003 | 0.8264 | 3.9100e-003 | 0.8303 | 0.2201 | 3.6000e-003 | 0.2237 | | 737.8602 | 737.8602 | 0.0155 | 0.0162 | 743.0658 |
| Total | 0.2981 | 1.2360 | 2.9679 | 0.0127 | 1.0165 | 0.0119 | 1.0285 | 0.2752 | 0.0113 | 0.2864 | | 1,313.2034 | 1,313.2034 | 0.0301 | 0.1011 | 1,344.0765 |

3.4 Infrastructure Improvements - 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 | | | | | |
| Fugitive Dust | | | | | 6.5523 | 0.0000 | 6.5523 | 3.3675 | 0.0000 | 3.3675 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.2116 | 11.8581 | 12.9461 | 0.0231 | | 0.5123 | 0.5123 | | 0.4713 | 0.4713 | | 2,233.4656 | 2,233.4656 | 0.7224 | | 2,251.5243 |
| Total | 1.2116 | 11.8581 | 12.9461 | 0.0231 | 6.5523 | 0.5123 | 7.0647 | 3.3675 | 0.4713 | 3.8388 | | 2,233.4656 | 2,233.4656 | 0.7224 | | 2,251.5243 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Summer

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

3.4 Infrastructure Improvements - 2025

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0439 | 0.0243 | 0.4211 | 1.2200e-003 | 0.1453 | 6.5000e-004 | 0.1460 | 0.0385 | 6.0000e-004 | 0.0391 | | 122.9767 | 122.9767 | 2.5800e-003 | 2.6900e-003 | 123.8443 |
| Total | 0.0439 | 0.0243 | 0.4211 | 1.2200e-003 | 0.1453 | 6.5000e-004 | 0.1460 | 0.0385 | 6.0000e-004 | 0.0391 | | 122.9767 | 122.9767 | 2.5800e-003 | 2.6900e-003 | 123.8443 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | | | | | 2.4276 | 0.0000 | 2.4276 | 1.2477 | 0.0000 | 1.2477 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.2116 | 11.8581 | 12.9461 | 0.0231 | | 0.5123 | 0.5123 | | 0.4713 | 0.4713 | 0.0000 | 2,233.4656 | 2,233.4656 | 0.7224 | | 2,251.5243 |
| Total | 1.2116 | 11.8581 | 12.9461 | 0.0231 | 2.4276 | 0.5123 | 2.9400 | 1.2477 | 0.4713 | 1.7190 | 0.0000 | 2,233.4656 | 2,233.4656 | 0.7224 | | 2,251.5243 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Summer

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

3.4 Infrastructure Improvements - 2025

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0439 | 0.0243 | 0.4211 | 1.2200e-003 | 0.1377 | 6.5000e-004 | 0.1384 | 0.0367 | 6.0000e-004 | 0.0373 | | 122.9767 | 122.9767 | 2.5800e-003 | 2.6900e-003 | 123.8443 |
| Total | 0.0439 | 0.0243 | 0.4211 | 1.2200e-003 | 0.1377 | 6.5000e-004 | 0.1384 | 0.0367 | 6.0000e-004 | 0.0373 | | 122.9767 | 122.9767 | 2.5800e-003 | 2.6900e-003 | 123.8443 |

3.5 Paving - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.9152 | 8.5816 | 14.5780 | 0.0228 | | 0.4185 | 0.4185 | | 0.3850 | 0.3850 | | 2,206.7452 | 2,206.7452 | 0.7137 | | 2,224.5878 |
| Paving | 0.0907 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.0058 | 8.5816 | 14.5780 | 0.0228 | | 0.4185 | 0.4185 | | 0.3850 | 0.3850 | | 2,206.7452 | 2,206.7452 | 0.7137 | | 2,224.5878 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Summer

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

3.5 Paving - 2025

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0506 | 0.0280 | 0.4858 | 1.4000e-003 | 0.1677 | 7.5000e-004 | 0.1684 | 0.0445 | 6.9000e-004 | 0.0452 | | 141.8962 | 141.8962 | 2.9800e-003 | 3.1100e-003 | 142.8973 |
| Total | 0.0506 | 0.0280 | 0.4858 | 1.4000e-003 | 0.1677 | 7.5000e-004 | 0.1684 | 0.0445 | 6.9000e-004 | 0.0452 | | 141.8962 | 141.8962 | 2.9800e-003 | 3.1100e-003 | 142.8973 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.9152 | 8.5816 | 14.5780 | 0.0228 | | 0.4185 | 0.4185 | | 0.3850 | 0.3850 | 0.0000 | 2,206.7452 | 2,206.7452 | 0.7137 | | 2,224.5878 |
| Paving | 0.0907 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.0058 | 8.5816 | 14.5780 | 0.0228 | | 0.4185 | 0.4185 | | 0.3850 | 0.3850 | 0.0000 | 2,206.7452 | 2,206.7452 | 0.7137 | | 2,224.5878 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Summer

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

3.5 Paving - 2025

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0506 | 0.0280 | 0.4858 | 1.4000e-003 | 0.1589 | 7.5000e-004 | 0.1597 | 0.0423 | 6.9000e-004 | 0.0430 | | 141.8962 | 141.8962 | 2.9800e-003 | 3.1100e-003 | 142.8973 |
| Total | 0.0506 | 0.0280 | 0.4858 | 1.4000e-003 | 0.1589 | 7.5000e-004 | 0.1597 | 0.0423 | 6.9000e-004 | 0.0430 | | 141.8962 | 141.8962 | 2.9800e-003 | 3.1100e-003 | 142.8973 |

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 25.2030 | | | | | 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 | 25.3739 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Summer

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

3.6 Architectural Coating - 2025

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0540 | 0.0299 | 0.5182 | 1.5000e-003 | 0.1788 | 8.0000e-004 | 0.1796 | 0.0474 | 7.4000e-004 | 0.0482 | | 151.3559 | 151.3559 | 3.1800e-003 | 3.3200e-003 | 152.4237 |
| Total | 0.0540 | 0.0299 | 0.5182 | 1.5000e-003 | 0.1788 | 8.0000e-004 | 0.1796 | 0.0474 | 7.4000e-004 | 0.0482 | | 151.3559 | 151.3559 | 3.1800e-003 | 3.3200e-003 | 152.4237 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 25.2030 | | | | | 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 | 25.3739 | 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 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Summer

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

3.6 Architectural Coating - 2025

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0540 | 0.0299 | 0.5182 | 1.5000e-003 | 0.1695 | 8.0000e-004 | 0.1703 | 0.0451 | 7.4000e-004 | 0.0459 | | 151.3559 | 151.3559 | 3.1800e-003 | 3.3200e-003 | 152.4237 |
| Total | 0.0540 | 0.0299 | 0.5182 | 1.5000e-003 | 0.1695 | 8.0000e-004 | 0.1703 | 0.0451 | 7.4000e-004 | 0.0459 | | 151.3559 | 151.3559 | 3.1800e-003 | 3.3200e-003 | 152.4237 |

3.7 Grading - 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 | | | | | 7.0826 | 0.0000 | 7.0826 | 3.4247 | 0.0000 | 3.4247 | | | 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 | 7.0826 | 0.7244 | 7.8070 | 3.4247 | 0.6665 | 4.0912 | | 2,873.054 1 | 2,873.054 1 | 0.9292 | | 2,896.284 2 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Summer

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

3.7 Grading - 2024

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0544 | 0.0314 | 0.5245 | 1.4500e-003 | 0.1677 | 7.9000e-004 | 0.1685 | 0.0445 | 7.3000e-004 | 0.0452 | | 146.9351 | 146.9351 | 3.3100e-003 | 3.3400e-003 | 148.0134 |
| Total | 0.0544 | 0.0314 | 0.5245 | 1.4500e-003 | 0.1677 | 7.9000e-004 | 0.1685 | 0.0445 | 7.3000e-004 | 0.0452 | | 146.9351 | 146.9351 | 3.3100e-003 | 3.3400e-003 | 148.0134 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | | | | | 2.6241 | 0.0000 | 2.6241 | 1.2689 | 0.0000 | 1.2689 | | | 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 | 2.6241 | 0.7244 | 3.3485 | 1.2689 | 0.6665 | 1.9353 | 0.0000 | 2,873.054 1 | 2,873.054 1 | 0.9292 | | 2,896.284 2 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Summer

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

3.7 Grading - 2024

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0544 | 0.0314 | 0.5245 | 1.4500e-003 | 0.1589 | 7.9000e-004 | 0.1597 | 0.0423 | 7.3000e-004 | 0.0431 | | 146.9351 | 146.9351 | 3.3100e-003 | 3.3400e-003 | 148.0134 |
| Total | 0.0544 | 0.0314 | 0.5245 | 1.4500e-003 | 0.1589 | 7.9000e-004 | 0.1597 | 0.0423 | 7.3000e-004 | 0.0431 | | 146.9351 | 146.9351 | 3.3100e-003 | 3.3400e-003 | 148.0134 |

3.7 Grading - 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 | | | | | |
| Fugitive Dust | | | | | 7.0826 | 0.0000 | 7.0826 | 3.4247 | 0.0000 | 3.4247 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.5227 | 15.3148 | 14.5402 | 0.0297 | | 0.6236 | 0.6236 | | 0.5737 | 0.5737 | | 2,873.7052 | 2,873.7052 | 0.9294 | | 2,896.9405 |
| Total | 1.5227 | 15.3148 | 14.5402 | 0.0297 | 7.0826 | 0.6236 | 7.7062 | 3.4247 | 0.5737 | 3.9984 | | 2,873.7052 | 2,873.7052 | 0.9294 | | 2,896.9405 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Summer

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

3.7 Grading - 2025

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0506 | 0.0280 | 0.4858 | 1.4000e-003 | 0.1677 | 7.5000e-004 | 0.1684 | 0.0445 | 6.9000e-004 | 0.0452 | | 141.8962 | 141.8962 | 2.9800e-003 | 3.1100e-003 | 142.8973 |
| Total | 0.0506 | 0.0280 | 0.4858 | 1.4000e-003 | 0.1677 | 7.5000e-004 | 0.1684 | 0.0445 | 6.9000e-004 | 0.0452 | | 141.8962 | 141.8962 | 2.9800e-003 | 3.1100e-003 | 142.8973 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | | | | | 2.6241 | 0.0000 | 2.6241 | 1.2689 | 0.0000 | 1.2689 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.5227 | 15.3148 | 14.5402 | 0.0297 | | 0.6236 | 0.6236 | | 0.5737 | 0.5737 | 0.0000 | 2,873.7052 | 2,873.7052 | 0.9294 | | 2,896.9405 |
| Total | 1.5227 | 15.3148 | 14.5402 | 0.0297 | 2.6241 | 0.6236 | 3.2477 | 1.2689 | 0.5737 | 1.8425 | 0.0000 | 2,873.7052 | 2,873.7052 | 0.9294 | | 2,896.9405 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Summer

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

3.7 Grading - 2025

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0506 | 0.0280 | 0.4858 | 1.4000e-003 | 0.1589 | 7.5000e-004 | 0.1597 | 0.0423 | 6.9000e-004 | 0.0430 | | 141.8962 | 141.8962 | 2.9800e-003 | 3.1100e-003 | 142.8973 |
| Total | 0.0506 | 0.0280 | 0.4858 | 1.4000e-003 | 0.1589 | 7.5000e-004 | 0.1597 | 0.0423 | 6.9000e-004 | 0.0430 | | 141.8962 | 141.8962 | 2.9800e-003 | 3.1100e-003 | 142.8973 |

3.8 Site Preparation - 2024

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 19.6570 | 0.0000 | 19.6570 | 10.1025 | 0.0000 | 10.1025 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.6609 | 27.1760 | 18.3356 | 0.0381 | | 1.2294 | 1.2294 | | 1.1310 | 1.1310 | | 3,688.0100 | 3,688.0100 | 1.1928 | | 3,717.8294 |
| Total | 2.6609 | 27.1760 | 18.3356 | 0.0381 | 19.6570 | 1.2294 | 20.8864 | 10.1025 | 1.1310 | 11.2335 | | 3,688.0100 | 3,688.0100 | 1.1928 | | 3,717.8294 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Summer

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

3.8 Site Preparation - 2024

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0653 | 0.0377 | 0.6294 | 1.7400e-003 | 0.2012 | 9.5000e-004 | 0.2022 | 0.0534 | 8.7000e-004 | 0.0542 | | 176.3221 | 176.3221 | 3.9700e-003 | 4.0100e-003 | 177.6160 |
| Total | 0.0653 | 0.0377 | 0.6294 | 1.7400e-003 | 0.2012 | 9.5000e-004 | 0.2022 | 0.0534 | 8.7000e-004 | 0.0542 | | 176.3221 | 176.3221 | 3.9700e-003 | 4.0100e-003 | 177.6160 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | | | | | 7.2829 | 0.0000 | 7.2829 | 3.7430 | 0.0000 | 3.7430 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.6609 | 27.1760 | 18.3356 | 0.0381 | | 1.2294 | 1.2294 | | 1.1310 | 1.1310 | 0.0000 | 3,688.0100 | 3,688.0100 | 1.1928 | | 3,717.8294 |
| Total | 2.6609 | 27.1760 | 18.3356 | 0.0381 | 7.2829 | 1.2294 | 8.5123 | 3.7430 | 1.1310 | 4.8740 | 0.0000 | 3,688.0100 | 3,688.0100 | 1.1928 | | 3,717.8294 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Summer

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

3.8 Site Preparation - 2024

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0653 | 0.0377 | 0.6294 | 1.7400e-003 | 0.1907 | 9.5000e-004 | 0.1917 | 0.0508 | 8.7000e-004 | 0.0517 | | 176.3221 | 176.3221 | 3.9700e-003 | 4.0100e-003 | 177.6160 |
| Total | 0.0653 | 0.0377 | 0.6294 | 1.7400e-003 | 0.1907 | 9.5000e-004 | 0.1917 | 0.0508 | 8.7000e-004 | 0.0517 | | 176.3221 | 176.3221 | 3.9700e-003 | 4.0100e-003 | 177.6160 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Summer

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

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|---------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------------|----------------|--------|--------|----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.2045 | 11.5861 | 2.8625 | 0.0667 | 2.4850 | 0.1233 | 2.6084 | 0.7009 | 0.1180 | 0.8189 | | 7,207.259 1 | 7,207.259 1 | 0.2365 | 1.0924 | 7,538.700 7 |
| Unmitigated | 0.2045 | 11.5861 | 2.8625 | 0.0667 | 2.4850 | 0.1233 | 2.6084 | 0.7009 | 0.1180 | 0.8189 | | 7,207.259 1 | 7,207.259 1 | 0.2365 | 1.0924 | 7,538.700 7 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------------|-------------------------|--------------|--------------|------------------|------------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| City Park | 0.00 | 0.00 | 0.00 | | |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 82.92 | 82.92 | 82.92 | 1,002,011 | 1,002,011 |
| Total | 82.92 | 82.92 | 82.92 | 1,002,011 | 1,002,011 |

4.3 Trip Type Information

| Land Use | Miles | | | Trip % | | | Trip Purpose % | | |
|-----------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
| | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| City Park | 16.60 | 8.40 | 6.90 | 33.00 | 48.00 | 19.00 | 66 | 28 | 6 |
| Parking Lot | 16.60 | 8.40 | 6.90 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Unrefrigerated Warehouse-No | 16.60 | 8.40 | 33.20 | 0.00 | 0.00 | 100.00 | 100 | 0 | 0 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| City Park | 0.543085 | 0.056300 | 0.173085 | 0.134258 | 0.025645 | 0.007009 | 0.011926 | 0.017481 | 0.000552 | 0.000248 | 0.024848 | 0.000956 | 0.004606 |
| Parking Lot | 0.543085 | 0.056300 | 0.173085 | 0.134258 | 0.025645 | 0.007009 | 0.011926 | 0.017481 | 0.000552 | 0.000248 | 0.024848 | 0.000956 | 0.004606 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Summer

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

| | | | | | | | | | | | | | |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Unrefrigerated Warehouse-No Rail | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.020000 | 0.280000 | 0.700000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|-------------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|---------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 7.0300e-003 | 0.0640 | 0.0537 | 3.8000e-004 | | 4.8600e-003 | 4.8600e-003 | | 4.8600e-003 | 4.8600e-003 | | 76.7396 | 76.7396 | 1.4700e-003 | 1.4100e-003 | 77.1956 |
| NaturalGas Unmitigated | 7.0300e-003 | 0.0640 | 0.0537 | 3.8000e-004 | | 4.8600e-003 | 4.8600e-003 | | 4.8600e-003 | 4.8600e-003 | | 76.7396 | 76.7396 | 1.4700e-003 | 1.4100e-003 | 77.1956 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Summer

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|----------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| City Park | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 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 |
| Unrefrigerated Warehouse-No Rail | 652.286 | 7.0300e-003 | 0.0640 | 0.0537 | 3.8000e-004 | | 4.8600e-003 | 4.8600e-003 | | 4.8600e-003 | 4.8600e-003 | | 76.7396 | 76.7396 | 1.4700e-003 | 1.4100e-003 | 77.1956 |
| Total | | 7.0300e-003 | 0.0640 | 0.0537 | 3.8000e-004 | | 4.8600e-003 | 4.8600e-003 | | 4.8600e-003 | 4.8600e-003 | | 76.7396 | 76.7396 | 1.4700e-003 | 1.4100e-003 | 77.1956 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Summer

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

5.2 Energy by Land Use - NaturalGas

Mitigated

| | NaturalGas s Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--|---------------------|--------------------|---------------|---------------|--------------------|------------------|--------------------|--------------------|-------------------|--------------------|--------------------|----------|----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| City Park | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 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 |
| Unrefrigerated Warehouse-No Rail | 0.652286 | 7.0300e-003 | 0.0640 | 0.0537 | 3.8000e-004 | | 4.8600e-003 | 4.8600e-003 | | 4.8600e-003 | 4.8600e-003 | | 76.7396 | 76.7396 | 1.4700e-003 | 1.4100e-003 | 77.1956 |
| Total | | 7.0300e-003 | 0.0640 | 0.0537 | 3.8000e-004 | | 4.8600e-003 | 4.8600e-003 | | 4.8600e-003 | 4.8600e-003 | | 76.7396 | 76.7396 | 1.4700e-003 | 1.4100e-003 | 77.1956 |

6.0 Area Detail

6.1 Mitigation Measures Area

No Hearths Installed

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Summer

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

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|-------------|--------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 2.6665 | 2.0000e-004 | 0.0221 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0475 | 0.0475 | 1.2000e-004 | | 0.0506 |
| Unmitigated | 2.6665 | 2.0000e-004 | 0.0221 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0475 | 0.0475 | 1.2000e-004 | | 0.0506 |

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 | 0.3038 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 2.3607 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 2.0400e-003 | 2.0000e-004 | 0.0221 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0475 | 0.0475 | 1.2000e-004 | | 0.0506 |
| Total | 2.6665 | 2.0000e-004 | 0.0221 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0475 | 0.0475 | 1.2000e-004 | | 0.0506 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Summer

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

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 | 0.3038 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 2.3607 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 2.0400e-003 | 2.0000e-004 | 0.0221 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0475 | 0.0475 | 1.2000e-004 | | 0.0506 |
| Total | 2.6665 | 2.0000e-004 | 0.0221 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0475 | 0.0475 | 1.2000e-004 | | 0.0506 |

7.0 Water Detail

7.1 Mitigation Measures Water

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Summer

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Winter

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

**2720 Willow Ave. Warehouse_Trucks Only
San Bernardino-South Coast County, Winter**

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|--------|----------|-------------|--------------------|------------|
| Unrefrigerated Warehouse-No Rail | 118.45 | 1000sqft | 2.72 | 118,450.00 | 0 |
| Parking Lot | 98.00 | Space | 2.25 | 39,200.00 | 0 |
| City Park | 0.66 | Acre | 0.66 | 28,749.60 | 0 |

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/MWhr) | 390.98 | CH4 Intensity (lb/MWhr) | 0.033 | N2O Intensity (lb/MWhr) | 0.004 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Per site plan.

Construction Phase - Per construction questionnaire.

Off-road Equipment - Infrastructure Improvements

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Grading -

Demolition -

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Winter

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

Vehicle Trips - Trucks only.

Construction Off-road Equipment Mitigation - SCAQMD Rules and Regulations.

Area Mitigation -

Waste Mitigation -

Water Mitigation -

Fleet Mix - Trucks only.

| Table Name | Column Name | Default Value | New Value |
|------------------------|---------------------------------|---------------|-----------|
| tblConstDustMitigation | CleanPavedRoadPercentReduction | 0 | 6 |
| tblConstDustMitigation | WaterUnpavedRoadMoistureContent | 0 | 12 |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 0 | 15 |
| tblConstructionPhase | NumDays | 20.00 | 44.00 |
| tblConstructionPhase | NumDays | 230.00 | 85.00 |
| tblConstructionPhase | NumDays | 20.00 | 45.00 |
| tblConstructionPhase | NumDays | 20.00 | 100.00 |
| tblConstructionPhase | NumDays | 20.00 | 65.00 |
| tblConstructionPhase | NumDays | 20.00 | 85.00 |
| tblConstructionPhase | PhaseEndDate | 9/19/2025 | 5/30/2025 |
| tblConstructionPhase | PhaseEndDate | 7/25/2025 | 5/30/2025 |
| tblConstructionPhase | PhaseEndDate | 7/26/2024 | 8/30/2024 |
| tblConstructionPhase | PhaseEndDate | 9/6/2024 | 1/31/2025 |
| tblConstructionPhase | PhaseEndDate | 8/22/2025 | 5/30/2025 |
| tblConstructionPhase | PhaseEndDate | 8/9/2024 | 9/15/2024 |
| tblConstructionPhase | PhaseStartDate | 8/23/2025 | 4/1/2025 |
| tblConstructionPhase | PhaseStartDate | 9/7/2024 | 2/1/2025 |
| tblConstructionPhase | PhaseStartDate | 8/10/2024 | 9/16/2024 |
| tblConstructionPhase | PhaseStartDate | 7/26/2025 | 3/1/2025 |
| tblConstructionPhase | PhaseStartDate | 7/27/2024 | 9/2/2024 |
| tblFleetMix | HHD | 0.02 | 0.70 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Winter

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

| | | | |
|---------------------|----------------------------|-------------|--------|
| tblFleetMix | LDA | 0.54 | 0.00 |
| tblFleetMix | LDT1 | 0.06 | 0.00 |
| tblFleetMix | LDT2 | 0.17 | 0.00 |
| tblFleetMix | LHD1 | 0.03 | 0.00 |
| tblFleetMix | LHD2 | 7.0090e-003 | 0.02 |
| tblFleetMix | MCY | 0.02 | 0.00 |
| tblFleetMix | MDV | 0.13 | 0.00 |
| tblFleetMix | MH | 4.6060e-003 | 0.00 |
| tblFleetMix | MHD | 0.01 | 0.28 |
| tblFleetMix | OBUS | 5.5200e-004 | 0.00 |
| tblFleetMix | SBUS | 9.5600e-004 | 0.00 |
| tblFleetMix | UBUS | 2.4800e-004 | 0.00 |
| tblLandUse | LotAcreage | 0.88 | 2.25 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblVehicleTrips | CNW_TL | 6.90 | 33.20 |
| tblVehicleTrips | CNW_TTP | 41.00 | 100.00 |
| tblVehicleTrips | CW_TTP | 59.00 | 0.00 |
| tblVehicleTrips | DV_TP | 5.00 | 0.00 |
| tblVehicleTrips | PB_TP | 3.00 | 0.00 |
| tblVehicleTrips | PR_TP | 92.00 | 100.00 |
| tblVehicleTrips | ST_TR | 1.96 | 0.00 |
| tblVehicleTrips | ST_TR | 1.74 | 0.70 |
| tblVehicleTrips | SU_TR | 2.19 | 0.00 |
| tblVehicleTrips | SU_TR | 1.74 | 0.70 |
| tblVehicleTrips | WD_TR | 0.78 | 0.00 |
| tblVehicleTrips | WD_TR | 1.74 | 0.70 |

2.0 Emissions Summary

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Winter

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|----------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|---------------|-------------------|-------------------|---------------|---------------|-------------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2024 | 2.7240 | 27.2156 | 20.1767 | 0.0408 | 19.8582 | 1.2303 | 21.0885 | 10.1558 | 1.1319 | 11.2877 | 0.0000 | 3,946.1730 | 3,946.1730 | 1.1968 | 0.0139 | 3,976.6623 |
| 2025 | 29.3895 | 35.4459 | 49.1334 | 0.0915 | 8.1146 | 1.5241 | 9.6387 | 3.7863 | 1.4175 | 5.2038 | 0.0000 | 8,900.9664 | 8,900.9664 | 2.0913 | 0.1113 | 8,986.4010 |
| Maximum | 29.3895 | 35.4459 | 49.1334 | 0.0915 | 19.8582 | 1.5241 | 21.0885 | 10.1558 | 1.4175 | 11.2877 | 0.0000 | 8,900.9664 | 8,900.9664 | 2.0913 | 0.1113 | 8,986.4010 |

Mitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|---------------|-------------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2024 | 2.7240 | 27.2156 | 20.1767 | 0.0408 | 7.4736 | 1.2303 | 8.7039 | 3.7937 | 1.1319 | 4.9256 | 0.0000 | 3,946.1730 | 3,946.1730 | 1.1968 | 0.0139 | 3,976.6623 |
| 2025 | 29.3895 | 35.4459 | 49.1334 | 0.0915 | 3.9103 | 1.5241 | 5.4344 | 1.6470 | 1.4175 | 3.0644 | 0.0000 | 8,900.9664 | 8,900.9664 | 2.0913 | 0.1113 | 8,986.4010 |
| Maximum | 29.3895 | 35.4459 | 49.1334 | 0.0915 | 7.4736 | 1.5241 | 8.7039 | 3.7937 | 1.4175 | 4.9256 | 0.0000 | 8,900.9664 | 8,900.9664 | 2.0913 | 0.1113 | 8,986.4010 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Winter

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

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 59.30 | 0.00 | 53.99 | 60.98 | 0.00 | 51.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Winter

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

2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 2.6665 | 2.0000e-004 | 0.0221 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0475 | 0.0475 | 1.2000e-004 | | 0.0506 |
| Energy | 7.0300e-003 | 0.0640 | 0.0537 | 3.8000e-004 | | 4.8600e-003 | 4.8600e-003 | | 4.8600e-003 | 4.8600e-003 | | 76.7396 | 76.7396 | 1.4700e-003 | 1.4100e-003 | 77.1956 |
| Mobile | 0.1940 | 12.1698 | 2.9006 | 0.0668 | 2.4850 | 0.1235 | 2.6085 | 0.7009 | 0.1181 | 0.8190 | | 7,212.5209 | 7,212.5209 | 0.2359 | 1.0935 | 7,544.2795 |
| Total | 2.8675 | 12.2340 | 2.9765 | 0.0671 | 2.4850 | 0.1284 | 2.6134 | 0.7009 | 0.1230 | 0.8239 | | 7,289.3080 | 7,289.3080 | 0.2375 | 1.0949 | 7,621.5257 |

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 | 2.6665 | 2.0000e-004 | 0.0221 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0475 | 0.0475 | 1.2000e-004 | | 0.0506 |
| Energy | 7.0300e-003 | 0.0640 | 0.0537 | 3.8000e-004 | | 4.8600e-003 | 4.8600e-003 | | 4.8600e-003 | 4.8600e-003 | | 76.7396 | 76.7396 | 1.4700e-003 | 1.4100e-003 | 77.1956 |
| Mobile | 0.1940 | 12.1698 | 2.9006 | 0.0668 | 2.4850 | 0.1235 | 2.6085 | 0.7009 | 0.1181 | 0.8190 | | 7,212.5209 | 7,212.5209 | 0.2359 | 1.0935 | 7,544.2795 |
| Total | 2.8675 | 12.2340 | 2.9765 | 0.0671 | 2.4850 | 0.1284 | 2.6134 | 0.7009 | 0.1230 | 0.8239 | | 7,289.3080 | 7,289.3080 | 0.2375 | 1.0949 | 7,621.5257 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Winter

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

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Demolition | Demolition | 7/1/2024 | 8/30/2024 | 5 | 45 | |
| 2 | Building Construction | Building Construction | 2/1/2025 | 5/30/2025 | 5 | 85 | |
| 3 | Infrastructure Improvements | Grading | 2/2/2025 | 6/1/2025 | 5 | 85 | |
| 4 | Paving | Paving | 3/1/2025 | 5/30/2025 | 5 | 65 | |
| 5 | Architectural Coating | Architectural Coating | 4/1/2025 | 5/30/2025 | 5 | 44 | |
| 6 | Grading | Grading | 9/16/2024 | 1/31/2025 | 5 | 100 | |
| 7 | Site Preparation | Site Preparation | 9/2/2024 | 9/15/2024 | 5 | 10 | |

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 42.5

Acres of Paving: 2.25

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 177,675; Non-Residential Outdoor: 59,225; Striped Parking Area: 2,352 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|--------------------------|--------|-------------|-------------|-------------|
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Demolition | Excavators | 3 | 8.00 | 158 | 0.38 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Winter

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

| | | | | | |
|-----------------------------|---------------------------|---|------|-----|------|
| Grading | Excavators | 1 | 8.00 | 158 | 0.38 |
| Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Paving | Pavers | 2 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 2 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Demolition | Rubber Tired Dozers | 2 | 8.00 | 247 | 0.40 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 247 | 0.40 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Grading | Tractors/Loaders/Backhoes | 3 | 8.00 | 97 | 0.37 |
| Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Infrastructure Improvements | Excavators | 1 | 8.00 | 158 | 0.38 |
| Infrastructure Improvements | Graders | 0 | 8.00 | 187 | 0.41 |
| Infrastructure Improvements | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Infrastructure Improvements | Tractors/Loaders/Backhoes | 3 | 8.00 | 97 | 0.37 |

Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition | 6 | 15.00 | 0.00 | 49.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 6 | 15.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 78.00 | 31.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 6 | 15.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 16.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Winter

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

| | | | | | | | | | | |
|-----------------------------|---|-------|------|------|-------|------|-------|--------|---------|------|
| Infrastructure Improvements | 5 | 13.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
|-----------------------------|---|-------|------|------|-------|------|-------|--------|---------|------|

3.1 Mitigation Measures Construction

- Replace Ground Cover
- Water Exposed Area
- Water Unpaved Roads
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads

3.2 Demolition - 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 | | | | | 0.2378 | 0.0000 | 0.2378 | 0.0360 | 0.0000 | 0.0360 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.2437 | 20.8781 | 19.7073 | 0.0388 | | 0.9602 | 0.9602 | | 0.8922 | 0.8922 | | 3,747.4228 | 3,747.4228 | 1.0485 | | 3,773.6345 |
| Total | 2.2437 | 20.8781 | 19.7073 | 0.0388 | 0.2378 | 0.9602 | 1.1979 | 0.0360 | 0.8922 | 0.9282 | | 3,747.4228 | 3,747.4228 | 1.0485 | | 3,773.6345 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Winter

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

3.2 Demolition - 2024

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 2.4000e-003 | 0.1267 | 0.0372 | 6.0000e-004 | 0.0191 | 1.2500e-003 | 0.0203 | 5.2300e-003 | 1.1900e-003 | 6.4200e-003 | | 65.6005 | 65.6005 | 2.7500e-003 | 0.0104 | 68.7678 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0526 | 0.0330 | 0.4321 | 1.3200e-003 | 0.1677 | 7.9000e-004 | 0.1685 | 0.0445 | 7.3000e-004 | 0.0452 | | 133.1498 | 133.1498 | 3.3200e-003 | 3.4500e-003 | 134.2600 |
| Total | 0.0550 | 0.1596 | 0.4694 | 1.9200e-003 | 0.1867 | 2.0400e-003 | 0.1888 | 0.0497 | 1.9200e-003 | 0.0516 | | 198.7503 | 198.7503 | 6.0700e-003 | 0.0139 | 203.0278 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.0881 | 0.0000 | 0.0881 | 0.0133 | 0.0000 | 0.0133 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.2437 | 20.8781 | 19.7073 | 0.0388 | | 0.9602 | 0.9602 | | 0.8922 | 0.8922 | 0.0000 | 3,747.4228 | 3,747.4228 | 1.0485 | | 3,773.6345 |
| Total | 2.2437 | 20.8781 | 19.7073 | 0.0388 | 0.0881 | 0.9602 | 1.0483 | 0.0133 | 0.8922 | 0.9055 | 0.0000 | 3,747.4228 | 3,747.4228 | 1.0485 | | 3,773.6345 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Winter

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

3.2 Demolition - 2024

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 2.4000e-003 | 0.1267 | 0.0372 | 6.0000e-004 | 0.0182 | 1.2500e-003 | 0.0195 | 5.0200e-003 | 1.1900e-003 | 6.2100e-003 | | 65.6005 | 65.6005 | 2.7500e-003 | 0.0104 | 68.7678 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0526 | 0.0330 | 0.4321 | 1.3200e-003 | 0.1589 | 7.9000e-004 | 0.1597 | 0.0423 | 7.3000e-004 | 0.0431 | | 133.1498 | 133.1498 | 3.3200e-003 | 3.4500e-003 | 134.2600 |
| Total | 0.0550 | 0.1596 | 0.4694 | 1.9200e-003 | 0.1771 | 2.0400e-003 | 0.1792 | 0.0473 | 1.9200e-003 | 0.0493 | | 198.7503 | 198.7503 | 6.0700e-003 | 0.0139 | 203.0278 |

3.3 Building Construction - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | | 2,556.4744 | 2,556.4744 | 0.6010 | | 2,571.4981 |
| Total | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | | 2,556.4744 | 2,556.4744 | 0.6010 | | 2,571.4981 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Winter

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

3.3 Building Construction - 2025

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0322 | 1.1518 | 0.4555 | 5.3800e-003 | 0.1986 | 8.0700e-003 | 0.2067 | 0.0572 | 7.7200e-003 | 0.0649 | | 576.7629 | 576.7629 | 0.0145 | 0.0852 | 602.5051 |
| Worker | 0.2549 | 0.1530 | 2.0843 | 6.6200e-003 | 0.8719 | 3.9100e-003 | 0.8758 | 0.2312 | 3.6000e-003 | 0.2348 | | 668.7991 | 668.7991 | 0.0156 | 0.0167 | 674.1591 |
| Total | 0.2871 | 1.3047 | 2.5398 | 0.0120 | 1.0705 | 0.0120 | 1.0824 | 0.2884 | 0.0113 | 0.2997 | | 1,245.5620 | 1,245.5620 | 0.0301 | 0.1019 | 1,276.6641 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive 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 | 2,556.4744 | 2,556.4744 | 0.6010 | | 2,571.4981 |
| Total | 1.3674 | 12.4697 | 16.0847 | 0.0270 | | 0.5276 | 0.5276 | | 0.4963 | 0.4963 | 0.0000 | 2,556.4744 | 2,556.4744 | 0.6010 | | 2,571.4981 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Winter

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

3.3 Building Construction - 2025

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0322 | 1.1518 | 0.4555 | 5.3800e-003 | 0.1901 | 8.0700e-003 | 0.1982 | 0.0551 | 7.7200e-003 | 0.0628 | | 576.7629 | 576.7629 | 0.0145 | 0.0852 | 602.5051 |
| Worker | 0.2549 | 0.1530 | 2.0843 | 6.6200e-003 | 0.8264 | 3.9100e-003 | 0.8303 | 0.2201 | 3.6000e-003 | 0.2237 | | 668.7991 | 668.7991 | 0.0156 | 0.0167 | 674.1591 |
| Total | 0.2871 | 1.3047 | 2.5398 | 0.0120 | 1.0165 | 0.0120 | 1.0285 | 0.2752 | 0.0113 | 0.2865 | | 1,245.5620 | 1,245.5620 | 0.0301 | 0.1019 | 1,276.6641 |

3.4 Infrastructure Improvements - 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 | | | | | |
| Fugitive Dust | | | | | 6.5523 | 0.0000 | 6.5523 | 3.3675 | 0.0000 | 3.3675 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.2116 | 11.8581 | 12.9461 | 0.0231 | | 0.5123 | 0.5123 | | 0.4713 | 0.4713 | | 2,233.4656 | 2,233.4656 | 0.7224 | | 2,251.5243 |
| Total | 1.2116 | 11.8581 | 12.9461 | 0.0231 | 6.5523 | 0.5123 | 7.0647 | 3.3675 | 0.4713 | 3.8388 | | 2,233.4656 | 2,233.4656 | 0.7224 | | 2,251.5243 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Winter

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

3.4 Infrastructure Improvements - 2025

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0425 | 0.0255 | 0.3474 | 1.1000e-003 | 0.1453 | 6.5000e-004 | 0.1460 | 0.0385 | 6.0000e-004 | 0.0391 | | 111.4665 | 111.4665 | 2.6000e-003 | 2.7800e-003 | 112.3598 |
| Total | 0.0425 | 0.0255 | 0.3474 | 1.1000e-003 | 0.1453 | 6.5000e-004 | 0.1460 | 0.0385 | 6.0000e-004 | 0.0391 | | 111.4665 | 111.4665 | 2.6000e-003 | 2.7800e-003 | 112.3598 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | | | | | 2.4276 | 0.0000 | 2.4276 | 1.2477 | 0.0000 | 1.2477 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.2116 | 11.8581 | 12.9461 | 0.0231 | | 0.5123 | 0.5123 | | 0.4713 | 0.4713 | 0.0000 | 2,233.4656 | 2,233.4656 | 0.7224 | | 2,251.5243 |
| Total | 1.2116 | 11.8581 | 12.9461 | 0.0231 | 2.4276 | 0.5123 | 2.9400 | 1.2477 | 0.4713 | 1.7190 | 0.0000 | 2,233.4656 | 2,233.4656 | 0.7224 | | 2,251.5243 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Winter

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

3.4 Infrastructure Improvements - 2025

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0425 | 0.0255 | 0.3474 | 1.1000e-003 | 0.1377 | 6.5000e-004 | 0.1384 | 0.0367 | 6.0000e-004 | 0.0373 | | 111.4665 | 111.4665 | 2.6000e-003 | 2.7800e-003 | 112.3598 |
| Total | 0.0425 | 0.0255 | 0.3474 | 1.1000e-003 | 0.1377 | 6.5000e-004 | 0.1384 | 0.0367 | 6.0000e-004 | 0.0373 | | 111.4665 | 111.4665 | 2.6000e-003 | 2.7800e-003 | 112.3598 |

3.5 Paving - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.9152 | 8.5816 | 14.5780 | 0.0228 | | 0.4185 | 0.4185 | | 0.3850 | 0.3850 | | 2,206.7452 | 2,206.7452 | 0.7137 | | 2,224.5878 |
| Paving | 0.0907 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.0058 | 8.5816 | 14.5780 | 0.0228 | | 0.4185 | 0.4185 | | 0.3850 | 0.3850 | | 2,206.7452 | 2,206.7452 | 0.7137 | | 2,224.5878 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Winter

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

3.5 Paving - 2025

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0490 | 0.0294 | 0.4008 | 1.2700e-003 | 0.1677 | 7.5000e-004 | 0.1684 | 0.0445 | 6.9000e-004 | 0.0452 | | 128.6152 | 128.6152 | 3.0000e-003 | 3.2100e-003 | 129.6460 |
| Total | 0.0490 | 0.0294 | 0.4008 | 1.2700e-003 | 0.1677 | 7.5000e-004 | 0.1684 | 0.0445 | 6.9000e-004 | 0.0452 | | 128.6152 | 128.6152 | 3.0000e-003 | 3.2100e-003 | 129.6460 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.9152 | 8.5816 | 14.5780 | 0.0228 | | 0.4185 | 0.4185 | | 0.3850 | 0.3850 | 0.0000 | 2,206.7452 | 2,206.7452 | 0.7137 | | 2,224.5878 |
| Paving | 0.0907 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.0058 | 8.5816 | 14.5780 | 0.0228 | | 0.4185 | 0.4185 | | 0.3850 | 0.3850 | 0.0000 | 2,206.7452 | 2,206.7452 | 0.7137 | | 2,224.5878 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Winter

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

3.5 Paving - 2025

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0490 | 0.0294 | 0.4008 | 1.2700e-003 | 0.1589 | 7.5000e-004 | 0.1597 | 0.0423 | 6.9000e-004 | 0.0430 | | 128.6152 | 128.6152 | 3.0000e-003 | 3.2100e-003 | 129.6460 |
| Total | 0.0490 | 0.0294 | 0.4008 | 1.2700e-003 | 0.1589 | 7.5000e-004 | 0.1597 | 0.0423 | 6.9000e-004 | 0.0430 | | 128.6152 | 128.6152 | 3.0000e-003 | 3.2100e-003 | 129.6460 |

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 25.2030 | | | | | 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 | 25.3739 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | | 281.4481 | 281.4481 | 0.0154 | | 281.8319 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Winter

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

3.6 Architectural Coating - 2025

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0523 | 0.0314 | 0.4276 | 1.3600e-003 | 0.1788 | 8.0000e-004 | 0.1796 | 0.0474 | 7.4000e-004 | 0.0482 | | 137.1896 | 137.1896 | 3.2000e-003 | 3.4200e-003 | 138.2890 |
| Total | 0.0523 | 0.0314 | 0.4276 | 1.3600e-003 | 0.1788 | 8.0000e-004 | 0.1796 | 0.0474 | 7.4000e-004 | 0.0482 | | 137.1896 | 137.1896 | 3.2000e-003 | 3.4200e-003 | 138.2890 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 25.2030 | | | | | 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 | 25.3739 | 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 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Winter

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

3.6 Architectural Coating - 2025

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0523 | 0.0314 | 0.4276 | 1.3600e-003 | 0.1695 | 8.0000e-004 | 0.1703 | 0.0451 | 7.4000e-004 | 0.0459 | | 137.1896 | 137.1896 | 3.2000e-003 | 3.4200e-003 | 138.2890 |
| Total | 0.0523 | 0.0314 | 0.4276 | 1.3600e-003 | 0.1695 | 8.0000e-004 | 0.1703 | 0.0451 | 7.4000e-004 | 0.0459 | | 137.1896 | 137.1896 | 3.2000e-003 | 3.4200e-003 | 138.2890 |

3.7 Grading - 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 | | | | | 7.0826 | 0.0000 | 7.0826 | 3.4247 | 0.0000 | 3.4247 | | | 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 | 7.0826 | 0.7244 | 7.8070 | 3.4247 | 0.6665 | 4.0912 | | 2,873.054 1 | 2,873.054 1 | 0.9292 | | 2,896.284 2 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Winter

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

3.7 Grading - 2024

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0526 | 0.0330 | 0.4321 | 1.3200e-003 | 0.1677 | 7.9000e-004 | 0.1685 | 0.0445 | 7.3000e-004 | 0.0452 | | 133.1498 | 133.1498 | 3.3200e-003 | 3.4500e-003 | 134.2600 |
| Total | 0.0526 | 0.0330 | 0.4321 | 1.3200e-003 | 0.1677 | 7.9000e-004 | 0.1685 | 0.0445 | 7.3000e-004 | 0.0452 | | 133.1498 | 133.1498 | 3.3200e-003 | 3.4500e-003 | 134.2600 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | | | | | 2.6241 | 0.0000 | 2.6241 | 1.2689 | 0.0000 | 1.2689 | | | 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 | 2.6241 | 0.7244 | 3.3485 | 1.2689 | 0.6665 | 1.9353 | 0.0000 | 2,873.054 1 | 2,873.054 1 | 0.9292 | | 2,896.284 2 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Winter

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

3.7 Grading - 2024

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0526 | 0.0330 | 0.4321 | 1.3200e-003 | 0.1589 | 7.9000e-004 | 0.1597 | 0.0423 | 7.3000e-004 | 0.0431 | | 133.1498 | 133.1498 | 3.3200e-003 | 3.4500e-003 | 134.2600 |
| Total | 0.0526 | 0.0330 | 0.4321 | 1.3200e-003 | 0.1589 | 7.9000e-004 | 0.1597 | 0.0423 | 7.3000e-004 | 0.0431 | | 133.1498 | 133.1498 | 3.3200e-003 | 3.4500e-003 | 134.2600 |

3.7 Grading - 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 | | | | | |
| Fugitive Dust | | | | | 7.0826 | 0.0000 | 7.0826 | 3.4247 | 0.0000 | 3.4247 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.5227 | 15.3148 | 14.5402 | 0.0297 | | 0.6236 | 0.6236 | | 0.5737 | 0.5737 | | 2,873.7052 | 2,873.7052 | 0.9294 | | 2,896.9405 |
| Total | 1.5227 | 15.3148 | 14.5402 | 0.0297 | 7.0826 | 0.6236 | 7.7062 | 3.4247 | 0.5737 | 3.9984 | | 2,873.7052 | 2,873.7052 | 0.9294 | | 2,896.9405 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Winter

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

3.7 Grading - 2025

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0490 | 0.0294 | 0.4008 | 1.2700e-003 | 0.1677 | 7.5000e-004 | 0.1684 | 0.0445 | 6.9000e-004 | 0.0452 | | 128.6152 | 128.6152 | 3.0000e-003 | 3.2100e-003 | 129.6460 |
| Total | 0.0490 | 0.0294 | 0.4008 | 1.2700e-003 | 0.1677 | 7.5000e-004 | 0.1684 | 0.0445 | 6.9000e-004 | 0.0452 | | 128.6152 | 128.6152 | 3.0000e-003 | 3.2100e-003 | 129.6460 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | | | | | 2.6241 | 0.0000 | 2.6241 | 1.2689 | 0.0000 | 1.2689 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.5227 | 15.3148 | 14.5402 | 0.0297 | | 0.6236 | 0.6236 | | 0.5737 | 0.5737 | 0.0000 | 2,873.7052 | 2,873.7052 | 0.9294 | | 2,896.9405 |
| Total | 1.5227 | 15.3148 | 14.5402 | 0.0297 | 2.6241 | 0.6236 | 3.2477 | 1.2689 | 0.5737 | 1.8425 | 0.0000 | 2,873.7052 | 2,873.7052 | 0.9294 | | 2,896.9405 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Winter

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

3.7 Grading - 2025

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0490 | 0.0294 | 0.4008 | 1.2700e-003 | 0.1589 | 7.5000e-004 | 0.1597 | 0.0423 | 6.9000e-004 | 0.0430 | | 128.6152 | 128.6152 | 3.0000e-003 | 3.2100e-003 | 129.6460 |
| Total | 0.0490 | 0.0294 | 0.4008 | 1.2700e-003 | 0.1589 | 7.5000e-004 | 0.1597 | 0.0423 | 6.9000e-004 | 0.0430 | | 128.6152 | 128.6152 | 3.0000e-003 | 3.2100e-003 | 129.6460 |

3.8 Site Preparation - 2024

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 19.6570 | 0.0000 | 19.6570 | 10.1025 | 0.0000 | 10.1025 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.6609 | 27.1760 | 18.3356 | 0.0381 | | 1.2294 | 1.2294 | | 1.1310 | 1.1310 | | 3,688.0100 | 3,688.0100 | 1.1928 | | 3,717.8294 |
| Total | 2.6609 | 27.1760 | 18.3356 | 0.0381 | 19.6570 | 1.2294 | 20.8864 | 10.1025 | 1.1310 | 11.2335 | | 3,688.0100 | 3,688.0100 | 1.1928 | | 3,717.8294 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Winter

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

3.8 Site Preparation - 2024

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0631 | 0.0396 | 0.5186 | 1.5800e-003 | 0.2012 | 9.5000e-004 | 0.2022 | 0.0534 | 8.7000e-004 | 0.0542 | | 159.7797 | 159.7797 | 3.9900e-003 | 4.1400e-003 | 161.1120 |
| Total | 0.0631 | 0.0396 | 0.5186 | 1.5800e-003 | 0.2012 | 9.5000e-004 | 0.2022 | 0.0534 | 8.7000e-004 | 0.0542 | | 159.7797 | 159.7797 | 3.9900e-003 | 4.1400e-003 | 161.1120 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | | | | | 7.2829 | 0.0000 | 7.2829 | 3.7430 | 0.0000 | 3.7430 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.6609 | 27.1760 | 18.3356 | 0.0381 | | 1.2294 | 1.2294 | | 1.1310 | 1.1310 | 0.0000 | 3,688.0100 | 3,688.0100 | 1.1928 | | 3,717.8294 |
| Total | 2.6609 | 27.1760 | 18.3356 | 0.0381 | 7.2829 | 1.2294 | 8.5123 | 3.7430 | 1.1310 | 4.8740 | 0.0000 | 3,688.0100 | 3,688.0100 | 1.1928 | | 3,717.8294 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Winter

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

3.8 Site Preparation - 2024

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0631 | 0.0396 | 0.5186 | 1.5800e-003 | 0.1907 | 9.5000e-004 | 0.1917 | 0.0508 | 8.7000e-004 | 0.0517 | | 159.7797 | 159.7797 | 3.9900e-003 | 4.1400e-003 | 161.1120 |
| Total | 0.0631 | 0.0396 | 0.5186 | 1.5800e-003 | 0.1907 | 9.5000e-004 | 0.1917 | 0.0508 | 8.7000e-004 | 0.0517 | | 159.7797 | 159.7797 | 3.9900e-003 | 4.1400e-003 | 161.1120 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|---------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|--------|------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.1940 | 12.1698 | 2.9006 | 0.0668 | 2.4850 | 0.1235 | 2.6085 | 0.7009 | 0.1181 | 0.8190 | | 7,212.5209 | 7,212.5209 | 0.2359 | 1.0935 | 7,544.2795 |
| Unmitigated | 0.1940 | 12.1698 | 2.9006 | 0.0668 | 2.4850 | 0.1235 | 2.6085 | 0.7009 | 0.1181 | 0.8190 | | 7,212.5209 | 7,212.5209 | 0.2359 | 1.0935 | 7,544.2795 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------------|-------------------------|--------------|--------------|------------------|------------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| City Park | 0.00 | 0.00 | 0.00 | | |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Unrefrigerated Warehouse-No Rail | 82.92 | 82.92 | 82.92 | 1,002,011 | 1,002,011 |
| Total | 82.92 | 82.92 | 82.92 | 1,002,011 | 1,002,011 |

4.3 Trip Type Information

| Land Use | Miles | | | Trip % | | | Trip Purpose % | | |
|-----------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
| | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| City Park | 16.60 | 8.40 | 6.90 | 33.00 | 48.00 | 19.00 | 66 | 28 | 6 |
| Parking Lot | 16.60 | 8.40 | 6.90 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Unrefrigerated Warehouse-No | 16.60 | 8.40 | 33.20 | 0.00 | 0.00 | 100.00 | 100 | 0 | 0 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| City Park | 0.543085 | 0.056300 | 0.173085 | 0.134258 | 0.025645 | 0.007009 | 0.011926 | 0.017481 | 0.000552 | 0.000248 | 0.024848 | 0.000956 | 0.004606 |
| Parking Lot | 0.543085 | 0.056300 | 0.173085 | 0.134258 | 0.025645 | 0.007009 | 0.011926 | 0.017481 | 0.000552 | 0.000248 | 0.024848 | 0.000956 | 0.004606 |

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

| | | | | | | | | | | | | | |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Unrefrigerated Warehouse-No Rail | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.020000 | 0.280000 | 0.700000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|-------------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|---------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 7.0300e-003 | 0.0640 | 0.0537 | 3.8000e-004 | | 4.8600e-003 | 4.8600e-003 | | 4.8600e-003 | 4.8600e-003 | | 76.7396 | 76.7396 | 1.4700e-003 | 1.4100e-003 | 77.1956 |
| NaturalGas Unmitigated | 7.0300e-003 | 0.0640 | 0.0537 | 3.8000e-004 | | 4.8600e-003 | 4.8600e-003 | | 4.8600e-003 | 4.8600e-003 | | 76.7396 | 76.7396 | 1.4700e-003 | 1.4100e-003 | 77.1956 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Winter

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|----------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| City Park | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 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 |
| Unrefrigerated Warehouse-No Rail | 652.286 | 7.0300e-003 | 0.0640 | 0.0537 | 3.8000e-004 | | 4.8600e-003 | 4.8600e-003 | | 4.8600e-003 | 4.8600e-003 | | 76.7396 | 76.7396 | 1.4700e-003 | 1.4100e-003 | 77.1956 |
| Total | | 7.0300e-003 | 0.0640 | 0.0537 | 3.8000e-004 | | 4.8600e-003 | 4.8600e-003 | | 4.8600e-003 | 4.8600e-003 | | 76.7396 | 76.7396 | 1.4700e-003 | 1.4100e-003 | 77.1956 |

2720 Willow Ave. Warehouse_Trucks Only - San Bernardino-South Coast County, Winter

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

5.2 Energy by Land Use - NaturalGas

Mitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------------|----------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| City Park | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 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 |
| Unrefrigerated Warehouse-No Rail | 0.652286 | 7.0300e-003 | 0.0640 | 0.0537 | 3.8000e-004 | | 4.8600e-003 | 4.8600e-003 | | 4.8600e-003 | 4.8600e-003 | | 76.7396 | 76.7396 | 1.4700e-003 | 1.4100e-003 | 77.1956 |
| Total | | 7.0300e-003 | 0.0640 | 0.0537 | 3.8000e-004 | | 4.8600e-003 | 4.8600e-003 | | 4.8600e-003 | 4.8600e-003 | | 76.7396 | 76.7396 | 1.4700e-003 | 1.4100e-003 | 77.1956 |

6.0 Area Detail

6.1 Mitigation Measures Area

No Hearths Installed

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

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|-------------|--------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 2.6665 | 2.0000e-004 | 0.0221 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0475 | 0.0475 | 1.2000e-004 | | 0.0506 |
| Unmitigated | 2.6665 | 2.0000e-004 | 0.0221 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0475 | 0.0475 | 1.2000e-004 | | 0.0506 |

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 | 0.3038 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 2.3607 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 2.0400e-003 | 2.0000e-004 | 0.0221 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0475 | 0.0475 | 1.2000e-004 | | 0.0506 |
| Total | 2.6665 | 2.0000e-004 | 0.0221 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0475 | 0.0475 | 1.2000e-004 | | 0.0506 |

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

6.2 Area by SubCategory

Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.3038 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 2.3607 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 2.0400e-003 | 2.0000e-004 | 0.0221 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0475 | 0.0475 | 1.2000e-004 | | 0.0506 |
| Total | 2.6665 | 2.0000e-004 | 0.0221 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | | 0.0475 | 0.0475 | 1.2000e-004 | | 0.0506 |

7.0 Water Detail

7.1 Mitigation Measures Water

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation
