

Air Quality Study

## **Roxford Street Warehouses Project**

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# **1. Introduction**

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This report evaluates air quality impacts that could result from the construction and operations of the Roxford Street Warehouses Project (Project). Supporting documents – such as calculation worksheets and modeling outputs– are included in the appendix to this report.

# **2. Project Description**

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Addressed at 15825 Roxford Street in the Sylmar Community Plan Area of the City of Los Angeles, the Project proposes to construct two new industrial buildings containing a total of 589,600 square feet of warehouse uses and 15,000 square feet of ancillary office uses. Building 1 would consist of 430,000 square feet of warehouse space and 10,000 square feet of office space. Building 2 would consist of 159,600 square feet of warehouse space and 5,000 square feet of office space. The 27.93-acre Project site is located in the heart of an existing industrial/manufacturing district and is therefore bounded by a number of similar industrial/manufacturing uses. An eastern portion of the Project site has frontage along Telfair Avenue, and a long driveway also connects the site to Roxford Street. To the west, the Project site borders the Golden State Freeway.

The Project site is currently improved with 182,230 square feet of warehouse uses, as well as surface parking area and driveways in support of these uses. Ancillary uses include four athletic courts for tennis and basketball. Most of these uses would be demolished or extensively modified for the Project.

# **3. Environmental Setting**

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## **3.1 Regulatory framework**

### **3.1.1 Federal**

#### **3.1.1.1 Clean Air Act**

The Federal Clean Air Act (CAA) was first enacted in 1955 and has been amended numerous times in subsequent years, with the most recent amendments occurring in 1990. At the federal level, the United States Environmental Protection Agency (USEPA) is responsible for implementing some portions of the CAA (e.g., certain mobile source and other requirements). Other portions of the CAA (e.g., stationary source requirements) are implemented by state and local agencies. In California the California Clean Air Act (CCAA) is administered by the California Air Resources Board (CARB) at the state level and by the air quality management districts and air pollution control districts at the regional and local levels.

The CAA governs the establishment, review, and revision, as appropriate, of the National Ambient Air Quality Standards (NAAQS), which provide protection for the nation's public health and the environment. NAAQS are based on quantitative characterizations of exposures and associated risks to human health and the environment. The 1990 amendments to the CAA identify specific emission reduction goals for areas not meeting the NAAQS. These amendments require both a demonstration of reasonable further progress towards attainment and the incorporation of additional sanctions for failure to attain or to meet interim milestones. NAAQS have been established for seven major air pollutants: carbon monoxide (CO), nitrogen dioxide (NO<sub>2</sub>), ozone (O<sub>3</sub>), PM<sub>2.5</sub> (particulate matter, 2.5 microns), PM<sub>10</sub> (particulate matter, 10 microns), sulfur dioxide (SO<sub>2</sub>), and lead (Pb).

The CAA requires USEPA to designate areas as attainment, nonattainment, or maintenance (previously nonattainment and currently attainment) for each criteria pollutant based on whether the NAAQS have been achieved. The federal standards are shown in **Table 1**. USEPA has classified the Los Angeles County portion of the South Coast Air Basin (Basin) as a nonattainment area for O<sub>3</sub>, PM<sub>2.5</sub>, and lead.

**Table 1**  
**State and Federal Ambient Air Quality Standards and Attainment for L.A. County**

| Pollutant                                                                                                                                                                                                                                                               | Averaging Period       | California                            |                   | Federal                               |                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------------------|-------------------|---------------------------------------|-------------------|
|                                                                                                                                                                                                                                                                         |                        | Standard                              | Attainment Status | Standard                              | Attainment Status |
| Ozone – O <sub>3</sub>                                                                                                                                                                                                                                                  | 1-hour                 | 0.09 ppm<br>(180 µg/m <sup>3</sup> )  | Non-attainment    | -                                     | -                 |
|                                                                                                                                                                                                                                                                         | 8-hour                 | 0.070 ppm<br>(137 µg/m <sup>3</sup> ) | Non-attainment    | 0.070 ppm<br>(137 µg/m <sup>3</sup> ) | Non-attainment    |
| Respirable Particulate Matter – PM <sub>10</sub>                                                                                                                                                                                                                        | 24-hour                | 50 µg/m <sup>3</sup>                  | Non-attainment    | 150 µg/m <sup>3</sup>                 | Attainment        |
|                                                                                                                                                                                                                                                                         | Annual Arithmetic Mean | 20 µg/m <sup>3</sup>                  | Non-attainment    | -                                     | -                 |
| Fine Particulate Matter – PM <sub>2.5</sub>                                                                                                                                                                                                                             | 24-hour                | -                                     | -                 | 35 µg/m <sup>3</sup>                  | Non-attainment    |
|                                                                                                                                                                                                                                                                         | Annual Arithmetic Mean | 12 µg/m <sup>3</sup>                  | Non-attainment    | 12 µg/m <sup>3</sup>                  | Non-attainment    |
| Carbon Monoxide – CO                                                                                                                                                                                                                                                    | 1-hour                 | 20 ppm<br>(23 mg/m <sup>3</sup> )     | Attainment        | 35 ppm<br>(40 mg/m <sup>3</sup> )     | Attainment        |
|                                                                                                                                                                                                                                                                         | 8-hour                 | 9.0 ppm<br>(10 mg/m <sup>3</sup> )    | Attainment        | 9 ppm<br>(10 mg/m <sup>3</sup> )      | Attainment        |
| Nitrogen Dioxide – NO <sub>2</sub>                                                                                                                                                                                                                                      | 1-hour                 | 0.18 ppm<br>(338 µg/m <sup>3</sup> )  | Attainment        | 100 ppb<br>(188 µg/m <sup>3</sup> )   | Attainment        |
|                                                                                                                                                                                                                                                                         | Annual Arithmetic Mean | 0.030 ppm<br>(57 µg/m <sup>3</sup> )  | Attainment        | 53 ppb<br>(100 µg/m <sup>3</sup> )    | Attainment        |
| Sulfur Dioxide – SO <sub>2</sub>                                                                                                                                                                                                                                        | 1-hour                 | 0.25 ppm<br>(655 µg/m <sup>3</sup> )  | Attainment        | 75 ppb<br>(196 µg/m <sup>3</sup> )    | Attainment        |
|                                                                                                                                                                                                                                                                         | 24-hour                | 0.04 ppm<br>(105 µg/m <sup>3</sup> )  | Attainment        | -                                     | -                 |
| Lead – Pb                                                                                                                                                                                                                                                               | 30-day average         | 1.5 µg/m <sup>3</sup>                 | Attainment        | -                                     | -                 |
|                                                                                                                                                                                                                                                                         | Calendar Quarter       | -                                     | -                 | 0.15 µg/m <sup>3</sup>                | Non-attainment    |
| Source: Maps of State and Federal Area Designations, <a href="https://ww2.arb.ca.gov/resources/documents/maps-state-and-federal-area-designations">https://ww2.arb.ca.gov/resources/documents/maps-state-and-federal-area-designations</a> . Accessed January 11, 2022. |                        |                                       |                   |                                       |                   |

### **3.1.2 State**

#### **3.1.2.1 California Clean Air Act**

In addition to being subject to the requirements of the CAA, air quality in California is also governed by more stringent regulations under the CCAA. In California the CCAA is administered by CARB at the state level and by the air quality management districts and air pollution control districts at the regional and local levels. CARB, which became part of the California Environmental Protection Agency in 1991, is responsible for meeting the state requirements of the CAA, administering the CCAA, and establishing the California Ambient Air Quality Standards (CAAQS). The CCAA, as amended in 1992, requires all air districts in the State to achieve and maintain the CAAQS. CAAQS are generally more stringent than their corresponding NAAQS and incorporate additional standards for sulfates, hydrogen sulfide, vinyl chloride, and visibility-reducing particles. CAAQS define clean air: they represent the maximum amount of a pollutant averaged over a specified period of time that can be present in outdoor air without any harmful effects on people or the environment.

The CCAA requires CARB to designate areas within California as either attainment or nonattainment for each criteria pollutant based on whether the CAAQS thresholds 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 are not considered violations of a state standard and are not used as a basis for designating areas as nonattainment. Under the CCAA, the non-desert Los Angeles County portion of the Basin is designated as a nonattainment area for O<sub>3</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub>. The State standards and attainment/non-attainment are also shown in **Table 1**.

#### **3.1.2.2 California Air Toxics Program**

CARB's Air Toxics Program was established in 1983 in response to the adoption of AB 1807, the Toxic Air Contaminant Identification and Control Act. AB 1807 directs CARB and the State Office of Environmental Health Hazard Assessment (OEHHA) to identify toxic air contaminants (TACs) and determine whether any regulatory action is necessary to reduce their risks to public health. Substances formally identified as TACs include diesel particulate matter and environmental tobacco smoke.

#### **3.1.2.3 Air Quality and Land Use Handbook: A Community Health Perspective**

Released by CARB in 2005, the *Air Quality and Land Use Handbook: A Community Health Perspective* provides recommendations regarding the siting of new sensitive land uses near potential sources of TACs (e.g., freeways, distribution centers, rail yards, ports, refineries, chrome plating facilities, dry cleaners, and gas stations), as well as the siting of new TAC sources in proximity to existing sensitive land uses.<sup>1</sup> The recommendations are advisory and should not necessarily be interpreted as defined "buffer zones"; if a project or sensitive land uses are within the siting distance, CARB recommends further analysis.

### **3.1.3 Regional**

#### **3.1.3.1 South Coast Air Quality Management District**

The Project is located within the 6,745-square-mile South Coast Air Basin (Basin). The Basin includes all of Orange County and the non-desert portions of Los Angeles, Riverside, and San Bernardino counties. It is bounded by the Pacific Ocean to the west; the San Gabriel, San Bernardino, and San Jacinto Mountains to the north and east; and the San

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<sup>1</sup> CARB, *Air Quality and Land Use Handbook, A Community Health Perspective*, April 2005.

Diego County line to the south. The South Coast Air Quality Management District (SCAQMD) is the agency principally responsible for air pollution control in the Basin. Specifically, SCAQMD is responsible for planning, implementing, and enforcing programs designed to attain and maintain CAAQS established by CARB and NAAQS established by the USEPA. All projects in the SCAQMD jurisdiction are subject to SCAQMD rules and regulations, including, but not limited to, the following:

- Rule 401 Visible Emissions: This rule prohibits air discharge that results in a plume that is as dark as or darker than what is designed as No. 1 Ringelmann Chart by the United States Bureau of Mines for an aggregate of three minutes in any one hour.
- Rule 402 Nuisance: This rule prohibits the discharge of “such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of people or 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.”
- Rule 403 Fugitive Dust: This rule mandates that projects reduce the amount of particulate matter entrained in the ambient air as a result of fugitive dust sources by requiring actions to prevent, reduce, or mitigate fugitive dust emissions from any active operation, open storage pile, or disturbed surface area.

### **3.1.3.2 2016 Air Quality Management Plan**

The 2016 Air Quality Management Plan (2016 AQMP) was adopted in April 2017 and represents the most updated regional blueprint for achieving federal air quality standards. It relies on emissions forecasts based on demographic and economic growth projections provided by the Southern California Association of Governments’ (SCAG) 2016-2040 Regional Transportation Plan/Sustainable Communities Strategy (2016-2040 RTP/SCS).

### **3.1.3.3 Southern California Association of Governments**

SCAG is the regional planning agency for Los Angeles, Orange, Ventura, Riverside, San Bernardino, and Imperial Counties that is tasked with addressing regional issues relating to transportation, the economy, community development, and the environment. As the federally designated Metropolitan Planning Organization (MPO) for the six-county Southern California region, SCAG is required by law to ensure that transportation activities conform to, and are supportive of, regional and state air quality plan goals to attain NAAQS. Additionally, SCAG is a co-producer, along with the SCAQMD, of the transportation strategy and transportation control measure sections of the Basin’s AQMP. The 2020-2045 RTP/SCS (Connect SoCal), SCAG’s latest long-range plan, continues to recognize that transportation investments and future land use patterns are inextricably linked, and acknowledges how this relationship can help the region make choices that sustain existing resources while expanding efficiency, mobility, and accessibility for people across the region. In short, the 2020-2045 RTP/SCS offers a blueprint for how Southern California can grow more sustainably. To this end, the 2020-2045 RTP/SCS land use pattern continues the trend of focusing new housing and employment in the region’s High Quality Transit Areas (HQTAs) and aims to enhance and build out the region’s transit network. At the time of the 2016-2040 RTP/SCS, HQTAs accounted for just 3 percent of total land in the SCAG region, but they are projected to accommodate 46 percent of the region’s future household growth and 55 percent of the region’s future employment growth by 2040.<sup>2</sup> HQTAs are a cornerstone of land use planning best practice in the SCAG region, and studies by the California Department of Transportation, the USEPA, and the Metropolitan Transportation

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<sup>2</sup> SCAG, Final 2016-2040 RTP/SCS, April 2017. HQTAs are defined as areas within one-half mile of a fixed guideway transit stop or a bus transit corridor where buses pick up passengers at a frequency of every 15 minutes or less during peak commuting hours.

Commission have found that focusing development in areas served by transit can result in local, regional, and statewide benefits including reduced air pollution and energy consumption.

### **3.1.4 Local**

#### **3.1.4.1 City of Los Angeles General Plan Air Quality Element**

The City's General Plan Air Quality Element identifies policies and strategies for advancing the City's clean air goals. The Air Quality Element acknowledges the interrelationships among transportation and land use planning in meeting the City's mobility and air quality goals. The Air Quality Element includes six key goals:

- Goal 1:** Good air quality in an environment of continued population growth and healthy economic structure.
- Goal 2:** Less reliance on single-occupant vehicles with fewer commute and non-work trips.
- Goal 3:** Efficient management of transportation facilities and system infrastructure using cost-effective system management and innovative demand management techniques.
- Goal 4:** Minimize impacts of existing land use patterns and future land use development on air quality by addressing the relationship between land use, transportation, and air quality.
- Goal 5:** Energy efficiency through land use and transportation planning, the use of renewable resources and less-polluting fuels and the implementation of conservation measures including passive measures such as site orientation and tree planting.
- Goal 6:** Citizen awareness of the linkages between personal behavior and air pollution and participation in efforts to reduce air pollution.

## **3.2 Pollutants and effects**

### **3.2.1 State and Federal Criteria Pollutants**

Air quality is measured by the ambient air concentrations of seven pollutants that have been identified by the USEPA due to their potentially harmful effects on public health and the environment. These "criteria air pollutants" include carbon monoxide, ground-level ozone, nitrogen dioxide, sulfur dioxide, particulate matter ten microns or less in diameter, particulate matter 2.5 microns or less in diameter, and lead. The following descriptions of each criteria air pollutant and their health effects are based on information provided by the USEPA and the SCAQMD.<sup>3,4</sup>

#### **Carbon Monoxide – CO**

CO is a colorless and odorless gas that is released when something is burned. Outdoors, the greatest sources of CO are cars, trucks, and other vehicles or machinery that burn fossil fuels. Unvented kerosene and gas space heaters, leaking chimneys and furnaces, and gas stoves can release CO and affect air quality indoors. Breathing air with elevated concentrations of CO reduces the amount of oxygen that can be transported via the blood stream and can lead to weakened heart contractions; as a result, CO inhalation can be particularly harmful to people with chronic heart disease. At moderate concentrations, CO inhalation can cause nausea, dizziness,

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<sup>3</sup> USEPA, Criteria Air Pollutants, [www.epa.gov/criteria-air-pollutants](http://www.epa.gov/criteria-air-pollutants).

<sup>4</sup> SCAQMD, Final 2012 Air Quality Management Plan, February 2013.

and headaches. High concentrations of CO may be fatal; however, such conditions are not likely to occur outdoors.

#### Ozone – O<sub>3</sub>

O<sub>3</sub> is a colorless gas that is formed when volatile organic compounds (VOCs) and nitrogen oxides (NO<sub>x</sub>) undergo slow photochemical reactions in the presence of ultraviolet sunlight. The greatest source of VOC and NO<sub>x</sub> emissions is automobile exhaust. O<sub>3</sub> concentrations are generally highest during the summer months when direct sunlight, light wind, and warm temperatures are favorable to its formation. Elevated levels of O<sub>3</sub> irritate the lungs and airways and may cause throat and chest pain, as well as coughing, thereby increasing susceptibility to respiratory infections and reducing the ability to exercise. Effects are more severe in people with asthma and other respiratory ailments. Long-term exposure may lead to the scarring of lung tissue and reduced lung efficiency.

#### Nitrogen Dioxide – NO<sub>2</sub>

NO<sub>2</sub> is primarily a byproduct of fossil fuel combustion and is therefore emitted by automobiles, power plants, and industrial facilities. The principal form of nitrogen oxide produced by fossil fuel combustion is nitric oxide (NO), which reacts quickly to form NO<sub>2</sub>, creating the mixture of NO and NO<sub>2</sub> commonly called NO<sub>x</sub>. NO<sub>2</sub> absorbs blue light and results in reduced visibility and a brownish-red cast to the atmosphere. NO<sub>2</sub> also contributes to the formation of PM<sub>10</sub>. Nitrogen oxides irritate the nose and throat and increase susceptibility to respiratory infections, especially in people with asthma. Longer exposures to elevated concentrations of NO<sub>2</sub> may even contribute to the development of asthma. The principal concern of NO<sub>x</sub> is as a precursor to the formation of ozone.

#### Sulfur Dioxide – SO<sub>2</sub>

Sulfur oxides (SO<sub>x</sub>) are compounds of sulfur and oxygen molecules. SO<sub>2</sub> is the pre-dominant form found in the lower atmosphere and is a product of burning sulfur or sulfur-containing materials. Major sources of SO<sub>2</sub> include power plants, large industrial facilities, diesel vehicles, and oil-burning residential heaters. SO<sub>2</sub> may aggravate lung diseases, especially bronchitis. It also constricts breathing passages, especially in asthmatics and people involved in moderate to heavy exercise. SO<sub>2</sub> may cause wheezing, shortness of breath, and coughing. High levels of particulates appear to worsen the effect of SO<sub>2</sub>, and long-term exposure to both pollutants leads to higher rates of respiratory illnesses.

#### Particulate Matter (PM<sub>10</sub> and PM<sub>2.5</sub>)

The human body naturally prevents the entry of larger particles into itself. However, smaller particles less than 10 microns (PM<sub>10</sub>) or even less than 2.5 microns (PM<sub>2.5</sub>) in diameter can enter the body and become trapped in the nose, throat, and upper respiratory tract. Here, these particulates may aggravate existing heart and lung diseases, affect the body's defenses against inhaled materials, and damage lung tissue. Those most sensitive to PM<sub>10</sub> and PM<sub>2.5</sub> include children, the elderly, and those with chronic lung and/or heart disease.

#### Lead – Pb

Airborne lead is emitted from industrial facilities and from the sanding or removal of old lead-based paint. Smelting and other metal processing activities are the primary sources of lead emissions. The lead effects most commonly encountered in current populations are neurological effects in children and cardiovascular effects in adults (e.g., high blood pressure and heart disease). Infants and young children are especially sensitive to even low levels of lead, which may contribute to behavioral problems, learning deficits, and lowered IQ.

### **3.2.2 Toxic Air Contaminants – “TACs”**

TACs refer to a diverse group of “non-criteria” air pollutants that can affect human health but have not had ambient air quality standards established for them. This is not because they are fundamentally different from the pollutants discussed above, but because their effects tend to be local rather than regional. As discussed earlier, CARB and OEHHA determine if a substance should be formally identified, or “listed,” as a TAC in California. A complete list of these substances is maintained on CARB’s website.<sup>5</sup>

One key TAC is diesel particulate matter (diesel PM), which is emitted in diesel engine exhaust. Released in 2021 by the SCAQMD, the Multiple Air Toxics Exposure Study V (MATES V) determined that about 88 percent of the carcinogenic risk from air toxics in the Basin is attributable to mobile source emissions. Of the three carcinogenic TACs that constitute the majority of the known health risk from motor vehicle traffic – diesel PM from primarily trucks, and benzene and 1,3-butadiene from passenger vehicles – diesel PM is responsible for the greatest potential cancer risk from vehicle traffic.<sup>6</sup> Overall, diesel PM was found to account for, on average, about 50 percent of the air toxics risk in the Basin.<sup>7</sup> In addition to its carcinogenic potential, diesel PM also may contribute to increased respiratory and cardiovascular hospitalizations, worsened asthma and other respiratory symptoms, decreased lung function in children, and premature death for people already with heart or lung disease. Those most vulnerable to the non-cancer health effects of diesel PM are children whose lungs are still developing and the elderly who may have other chronic health problems.<sup>8</sup>

### **3.2.3 Volatile Organic Compounds – “VOCs”**

VOCs are typically formed from the combustion of fuels and/or released through the evaporation of organic liquids. Some VOCs are also classified by the state as toxic air contaminants, though there are no VOC-specific ambient air quality standards. Once emitted, VOCs can mix in the air with other pollutants (e.g. NO<sub>x</sub>, CO, SO<sub>2</sub>...) and contribute to the formation of photochemical smog.

## **3.3 Existing conditions**

As discussed earlier, the Project is located within the 6,745-square-mile South Coast Air Basin that includes all of Orange County and the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties. Air quality within the Basin is influenced by a wide range of emissions sources, such as dense population centers, heavy vehicular traffic, and industry. These sources in addition to the topography and climate of Southern California combine to make the Basin an area of high air pollution potential. Particularly, ambient pollution concentrations recorded in the Los Angeles County portion of the Basin are among the highest in the four counties comprising the Basin. The USEPA has classified Los Angeles County as a nonattainment area for O<sub>3</sub>, PM<sub>2.5</sub>, and lead, meaning that the Basin does not meet NAAQS for these pollutants. Additionally, this portion of the Basin also does not meet CAAQS for O<sub>3</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub>. **Table 1**, above, summarizes State and National Ambient Air Quality Standards and the attainment status for Los Angeles County with respect to each criteria pollutant.

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<sup>5</sup> CARB, Toxic Air Contaminant Identification List, [www.arb.ca.gov/toxics/id/taclist.htm](http://www.arb.ca.gov/toxics/id/taclist.htm), last reviewed by CARB July 18, 2011.

<sup>6</sup> CARB, Air Quality and Land Use Handbook: A Community Health Perspective, April 2005.

<sup>7</sup> SCAQMD, Multiple Air Toxics Exposure Study in the South Coast Air Basin (MATES V), 2021.

<sup>8</sup> CARB, Overview: Diesel Exhaust & Health, [ww2.arb.ca.gov/resources/overview-diesel-exhaust-and-health](http://ww2.arb.ca.gov/resources/overview-diesel-exhaust-and-health).

### 3.3.1 Air quality monitoring data

The SCAQMD monitors air quality conditions at 38 source receptor areas (“SRAs”) throughout the Basin. The Project is located in SCAQMD’s SRA No. 7, “East San Fernando Valley.” **Table 2** shows pollutant levels, State and federal standards, and the number of exceedances recorded in SRA No. 7 from 2018 through 2020. As shown, unfortunately, SRA No. 7 lacks pollutant data for much of the past three years. However, recent data indicates that the one-hour State standard for O<sub>3</sub> was exceeded 31 times in 2020, and the federal standard for O<sub>3</sub> was exceeded 49 times. NO<sub>2</sub> levels did not exceed their respective CAAQS or NAAQS in 2020.

**Table 2**  
**Ambient Air Quality Data – SRA No. 7 “East San Fernando Valley”**

| Pollutants and State and Federal Standards                                                                                                                                                                                                                                                                                                                                            | Maximum Concentrations and Frequencies of State/Federal Standards Exceedance |      |        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                       | 2018                                                                         | 2019 | 2020   |
| <b>Ozone – O<sub>3</sub></b>                                                                                                                                                                                                                                                                                                                                                          |                                                                              |      |        |
| Maximum 1-hour Concentration (ppm)                                                                                                                                                                                                                                                                                                                                                    | N/A                                                                          | N/A  | 0.133  |
| Days > 0.09 ppm (State 1-hour standard)                                                                                                                                                                                                                                                                                                                                               | N/A                                                                          | N/A  | 31     |
| Days > 0.070 ppm (Federal 8-hour standard)                                                                                                                                                                                                                                                                                                                                            | N/A                                                                          | N/A  | 49     |
| <b>Carbon Monoxide – CO</b>                                                                                                                                                                                                                                                                                                                                                           |                                                                              |      |        |
| Maximum 1-hour Concentration (ppm)                                                                                                                                                                                                                                                                                                                                                    | N/A                                                                          | N/A  | N/A    |
| Days > 20 ppm (State 1-hour standard)                                                                                                                                                                                                                                                                                                                                                 | N/A                                                                          | N/A  | N/A    |
| Maximum 8-hour Concentration (ppm)                                                                                                                                                                                                                                                                                                                                                    | N/A                                                                          | N/A  | N/A    |
| Days > 9.0 ppm (State 8-hour standard)                                                                                                                                                                                                                                                                                                                                                | N/A                                                                          | N/A  | N/A    |
| <b>Nitrogen Dioxide – NO<sub>2</sub></b>                                                                                                                                                                                                                                                                                                                                              |                                                                              |      |        |
| Maximum 1-hour Concentration (ppb)                                                                                                                                                                                                                                                                                                                                                    | N/A                                                                          | N/A  | 0.0604 |
| Days > 0.18 ppm (State 1-hour standard)                                                                                                                                                                                                                                                                                                                                               | N/A                                                                          | N/A  | 0      |
| <b>PM<sub>10</sub></b>                                                                                                                                                                                                                                                                                                                                                                |                                                                              |      |        |
| Maximum 24-hour Concentration (µg/m <sup>3</sup> )                                                                                                                                                                                                                                                                                                                                    | N/A                                                                          | N/A  | N/A    |
| Days > 50 µg/m <sup>3</sup> (State 24-hour standard)                                                                                                                                                                                                                                                                                                                                  | N/A                                                                          | N/A  | N/A    |
| <b>PM<sub>2.5</sub></b>                                                                                                                                                                                                                                                                                                                                                               |                                                                              |      |        |
| Maximum 24-hour Concentration (µg/m <sup>3</sup> )                                                                                                                                                                                                                                                                                                                                    | N/A                                                                          | N/A  | N/A    |
| Days > 35 µg/m <sup>3</sup> (Federal 24-hour standard)                                                                                                                                                                                                                                                                                                                                | N/A                                                                          | N/A  | N/A    |
| <b>Sulfur Dioxide – SO<sub>2</sub></b>                                                                                                                                                                                                                                                                                                                                                |                                                                              |      |        |
| Maximum 24-hour Concentration (ppb)                                                                                                                                                                                                                                                                                                                                                   | N/A                                                                          | N/A  | N/A    |
| Days > 0.04 ppm (State 24-hour standard)                                                                                                                                                                                                                                                                                                                                              | N/A                                                                          | N/A  | N/A    |
| <b>Lead - Pb</b>                                                                                                                                                                                                                                                                                                                                                                      |                                                                              |      |        |
| Maximum Monthly Average Concentration (µg/m <sup>3</sup> )                                                                                                                                                                                                                                                                                                                            | N/A                                                                          | N/A  | N/A    |
| Maximum 3-Month Rolling Averages (µg/m <sup>3</sup> )                                                                                                                                                                                                                                                                                                                                 | N/A                                                                          | N/A  | N/A    |
| N/A = data not available<br>ppm = parts per million of air, by volume<br>µg/m <sup>3</sup> = micrograms per cubic meter<br>Source: SCAQMD Historical Data By Year, <a href="http://www.aqmd.gov/home/air-quality/air-quality-data-studies/historical-data-by-year">www.aqmd.gov/home/air-quality/air-quality-data-studies/historical-data-by-year</a> .<br>Accessed January 28, 2022. |                                                                              |      |        |

### **3.3.2 Existing health risk**

#### **3.3.2.1 2017 General Plan Guidelines**

The Multiple Air Toxics Exposure Study V (MATES V) is the latest air toxics monitoring and evaluation study conducted in the Air Basin. In short, MATES V is a modeling effort to characterize risk from air toxics across the Air Basin. Based on the MATES V model, the calculated cancer risk from air toxics in the Project's zip code (91342) is approximately 352 in one million, which is lower than the Air Basin's average risk of 454 per one million. The air toxics risk in the Project's zip code is less than it is for approximately 79.0% of the population with the air basin.<sup>9</sup>

The OEHHA, on behalf of the California Environmental Protection Agency (CalEPA), provides a screening tool called CalEnviroScreen that identifies which California communities are disproportionately burdened by, and vulnerable to, multiple sources of pollution. The tool ranks census tracts in California based on potential exposures to pollutants, adverse environmental conditions, socioeconomic factors, and prevalence of certain health conditions. According to the Draft CalEnviroScreen 4.0, the Project's census tract is ranked 95<sup>th</sup> percentile. The tract's pollution-specific burden, irrespective of other factors, is also ranked 95<sup>th</sup> percentile, indicating that it is among the most pollution-burdened locations in the state.<sup>10</sup>

### **3.3.3 Sensitive receptors**

Some land uses are considered more sensitive to changes in air quality than others, depending on the population groups and the activities involved. Generally speaking, sensitive land uses, or sensitive receptors, are those where sensitive individuals are most likely to spend time. Individuals most susceptible to poor air quality include children, the elderly, athletes, and those with cardiovascular and chronic respiratory diseases. As a result, land uses sensitive to air quality may include schools (i.e., elementary schools or high schools), child care centers, parks and playgrounds, long-term health care facilities, rehabilitation facilities, convalescent facilities, retirement facilities, residences, and athletic facilities. For the purposes of CEQA analysis, the SCAQMD considers a sensitive receptor to be a receptor such as a residence, hospital, or convalescent facility where it is possible that an individual could remain for 24 hours. The SCAQMD does not consider commercial and industrial facilities to be sensitive receptors because employees do not typically remain onsite at such facilities for 24 hours but are present for shorter periods (such as eight hour shifts). However, the SCAQMD suggests that LSTs based on shorter averaging periods, such as the NO<sub>2</sub> and CO LSTs, may also be applied to receptors such as commercial and industrial facilities since it is reasonable to assume that workers at these sites may be present for up to eight hours.<sup>11</sup>

As the Project is located in an industrial/manufacturing district, the Project is mainly surrounded by non-sensitive industrial/manufacturing uses. Concerning sensitive receptors, the main portion of the Project site is located approximately 1,000 feet west of residential uses along El Dorado Avenue, over 800 feet west of residential uses along Telfair Avenue, and over 1,000 feet northwest of residential uses along Roxford Street. However, a small extension of the Project site would extend along an existing driveway to Roxford Street. At the connection with Roxford Street, the Project would improve the existing driveway and construct a small surface parking lot containing less than 75 spaces.

<sup>9</sup> SCAQMD, Multiple Air Toxics Exposure Study V, MATES Data Visualization Tool, [https://experience.arcgis.com/experience/79d3b6304912414bb21ebdde80100b23/page/home/?data\\_id=dataSource\\_105-a5ba9580e3aa43508a793fac819a5a4d%3A207&views=view\\_1](https://experience.arcgis.com/experience/79d3b6304912414bb21ebdde80100b23/page/home/?data_id=dataSource_105-a5ba9580e3aa43508a793fac819a5a4d%3A207&views=view_1). Accessed January 28, 2022.

<sup>10</sup> Office of Environmental Health Hazard Assessment, CalEnviroScreen 4.0, [https://experience.arcgis.com/experience/4af93cf9888a424481d2868391af2d82/page/home/?data\\_id=dataSource\\_2-1754d6afdb4-layer-9%3A4973](https://experience.arcgis.com/experience/4af93cf9888a424481d2868391af2d82/page/home/?data_id=dataSource_2-1754d6afdb4-layer-9%3A4973). Accessed January 28, 2022.

<sup>11</sup> SCAQMD, Final Localized Significance Threshold Methodology, June 2003. Revised July 2008.

This is the only portion of the Project that would be located within 800 feet of sensitive receptors. Residential receptors along Roxford Street would be approximately 140 feet from this location (hereafter referred to as the “Roxford Parking Lot” location).

Other nearby receptors where workers or other users may be present for one to eight or more hours include a multitude of commercial, industrial, and other land uses surrounding the Project Site. For example, a light industrial/manufacturing building located at 15885 Valley View Court is approximately 65 feet south of the Project site’s main portion, and a dental supply building located at 13161 Telfair Avenue is approximately 50 feet northeast of the Project site’s main portion.

### **3.3.4 Existing Project site emissions**

The Project site is currently occupied by 182,230 square feet of warehouse uses. Existing tenants include an aerospace/manufacturing company and a trucking school. **Table 3** provides an estimate of daily pollutant emissions associated with the existing aerospace/manufacturing company and its 182,230 square feet of warehouse uses. The CalEEMod 2020.4.0 program used to model the emissions in Table 3 is not equipped to estimate emissions associated with the existing trucking school use, which likely emits pollutants from both the on- and off-site operations of diesel trucks. The estimated figures are provided mainly for informational purposes. Due to the omission of the trucking school use in the CalEEMod 2020.4.0 modeling, it is possible that the figures shown are conservative and underestimate emissions associated with the Project site’s existing uses.

**Table 3**  
**Project Site – Estimated Daily Operations Emissions from Previous and Existing Uses**

| Emissions Source                                            | Emissions in lbs per day |                 |             |                 |                  |                   |
|-------------------------------------------------------------|--------------------------|-----------------|-------------|-----------------|------------------|-------------------|
|                                                             | VOC                      | NO <sub>x</sub> | CO          | SO <sub>x</sub> | PM <sub>10</sub> | PM <sub>2.5</sub> |
| Area                                                        | 4.5                      | <0.1            | <0.1        | <0.1            | <0.1             | <0.1              |
| Energy                                                      | 0.1                      | 0.5             | 0.4         | <0.1            | <0.1             | <0.1              |
| Mobile Sources                                              | 2.2                      | 2.6             | 23.9        | 0.1             | 5.2              | 1.4               |
| <b>Net Regional Total</b>                                   | <b>6.7</b>               | <b>3.1</b>      | <b>24.3</b> | <b>0.1</b>      | <b>5.2</b>       | <b>1.4</b>        |
| Note: Some figures may not add up properly due to rounding. |                          |                 |             |                 |                  |                   |
| Source: NTEC, 2021. Based on CalEEMod 2020.4.0 model runs.  |                          |                 |             |                 |                  |                   |

## **4. Project Impacts**

### **4.1 Methodology**

The following analysis focuses on the potential change in air quality conditions that could result from the Project’s construction- and operations-related air pollutant emissions. Specific methodologies used to evaluate these emissions are discussed below.

#### **4.1.1 Construction**

Construction of the Project could affect local and regional air quality due to the use of gasoline and diesel-powered construction equipment, as well as the generation of construction vehicle trips. Demolition, grading, and any site

preparation activities would also result in fugitive dust emissions. It is important to consider that construction emissions can vary substantially from day to day depending on levels of construction activity, the specific types of construction activities taking place, and the types of vehicles/equipment in use. For dust, the prevailing weather conditions can influence emissions.

Based on the criteria set forth in the SCAQMD CEQA Air Quality Handbook, a project would have the potential to violate an air quality standard or contribute substantially to an existing violation and result in a significant impact with regard to construction emissions if its regional emissions from both direct and indirect construction sources would exceed the threshold levels shown in **Table 4**.

SCAQMD localized significance thresholds (LSTs) are also included below in **Table 4**. LSTs represent the maximum emissions from a project that would not be expected to cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standards. They are developed based on the ambient concentrations of a given pollutant for a source receptor and distances to the nearest sensitive receptor. The SCAQMD provides LSTs for NO<sub>x</sub>, CO, PM<sub>10</sub>, and PM<sub>2.5</sub>. The SCAQMD does not provide a LST for SO<sub>2</sub> because land use development projects typically result in negligible construction and long-term operational emissions of this pollutant. Additionally, because VOCs are not a criteria pollutant, there is no ambient standard or SCAQMD LST for VOCs. However, due to the role that VOCs play in O<sub>3</sub> formation and their classification as a precursor pollutant, a regional emissions threshold has been established. LSTs for the Project were obtained via the SCAQMD's mass rate look-up tables, which are used to determine whether or not a project may generate significant adverse localized air quality impacts.

The Project's construction-related emissions were estimated using SCAQMD's CalEEMod 2020.4.0 model. Modeling results are included in the appendix to this study. The analysis assumes that all construction activities would comply with SCAQMD Rule 403 for fugitive dust, as is mandatory for all construction projects in the Basin.

**Table 4**  
**SCAQMD Construction Emissions Thresholds**

| Criteria Pollutant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Construction Emissions (lbs per day) |                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Regional                             | Localized <sup>A</sup> |
| Volatile Organic Compounds – VOCs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 75                                   | -                      |
| Nitrogen Oxides - NO <sub>x</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 100                                  | 114                    |
| Carbon Monoxide – CO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 550                                  | 786                    |
| Sulfur Oxides - SO <sub>x</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 150                                  | -                      |
| Respirable Particulates – PM <sub>10</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 150                                  | 17                     |
| Fine Particulates – PM <sub>2.5</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 55                                   | 5                      |
| <sup>A</sup> Localized significance thresholds assumed the following: <ul style="list-style-type: none"> <li>2-acre maximum daily disturbed acreage, less than the Project's maximum grading activities, which would be approximately 3 acres per day. Use of this project size is consistent with the SCAQMD's "Fact Sheet for Applying CalEEMod to Localized Significant Thresholds" document. Utilizing LSTs for a 2-acre project size rather than interpolating LSTs for a 3-acre project size results in more stringent emissions thresholds.</li> <li>25-meter (82-foot) receptor distance for NO<sub>x</sub> and CO, which corresponds with distances to the nearest receptors where workers and other users may be present for one to eight hours. This is the shortest distance used for analysis in the LST guidance document.</li> <li>For PM<sub>10</sub> and PM<sub>2.5</sub> a receptor distance of 140 feet (approximately 43 meters) was utilized, which corresponds with the distance to the nearest residential sensitive receptor where occupants may be present for 24-hour periods (residential uses along Roxford Street near the Roxford Parking Lot site). LSTs for this distance were linearly interpolated per SCAQMD guidance. It should be noted that construction activities – and therefore construction emissions – would be substantially reduced at the 1-acre Roxford Parking Lot site.</li> </ul> |                                      |                        |

Most construction activities and emissions would take place within the main portion of the Project site, which is approximately 800 feet from the nearest residential sensitive receptors. Use of LSTs associated with the 140-foot distance from the Roxford Parking Lot site therefore results in a conservative analysis because (1) the vast majority of the Project's on-site construction-related emissions would be emitted at least 800 feet from sensitive receptors – not 140 feet, and (2) Roxford Parking Lot site construction emissions that are emitted 140 feet from sensitive receptors would be substantially less than the emissions that have been considered by this analysis.

- The Project is located in SRA No. 7, "East San Fernando Valley."

Sources: SCAQMD, Air Quality Significance Thresholds, revised April 2019; and, SCAQMD, LST Methodology Appendix C – Mass Rate LST Look-Up Table, October 2009.

#### 4.1.2 Operations

The SCAQMD has also established significant thresholds to evaluate potential impacts associated with long-term project operations. Regional thresholds and LSTs for Project operations are shown below in **Table 5**. Operational emissions for the Project were also calculated using CalEEMod 2020.4.0.

**Table 5**  
**SCAQMD Operational Emissions Thresholds**

| Criteria Pollutant                         | Construction Emissions (lbs per day) |                        |
|--------------------------------------------|--------------------------------------|------------------------|
|                                            | Regional                             | Localized <sup>A</sup> |
| Volatile Organic Compounds – VOCs          | 55                                   | -                      |
| Nitrogen Oxides - NO <sub>x</sub>          | 55                                   | 172                    |
| Carbon Monoxide – CO                       | 550                                  | 1,434                  |
| Sulfur Oxides - SO <sub>x</sub>            | 150                                  | -                      |
| Respirable Particulates – PM <sub>10</sub> | 150                                  | 24                     |
| Fine Particulates – PM <sub>2.5</sub>      | 55                                   | 9                      |

<sup>A</sup>Localized significance thresholds assumed the following:

- 5-acre project size, which is the largest project size used for analysis in the LST guidance document.
- 25-meter (82-foot) receptor distance for NO<sub>x</sub> and CO, which corresponds with distances to the nearest receptors where workers and other users may be present for one to eight hours. This is the shortest distance used for analysis in the LST guidance document.
- For PM<sub>10</sub> and PM<sub>2.5</sub> a receptor distance of 800 feet (approximately 244 meters) was utilized. Though there are residential sensitive receptors located within 140 feet of the Roxford Parking Lot site, the CalEEMod 2020.4.0 model estimates that nominal on-site operational emissions would be emitted from this location. The vast majority of the Project's on-site operational emissions would be emitted from the main portion of the Project site, which is approximately 800 feet from the nearest residential sensitive receptors (residential uses along Roxford Street near the Roxford Parking Lot site). In any case, even if a 140-foot (approximately 43 meters) distance were utilized, the Project's localized operational emissions would not exceed LSTs for this distance, because the Project is estimated to emit less than 1 pound per day of NO<sub>x</sub>, CO, PM<sub>10</sub>, and PM<sub>2.5</sub> from localized area sources.
- The Project is located in SRA No. 7, "East San Fernando Valley."

Sources: SCAQMD, Air Quality Significance Thresholds, revised April 2019; and, SCAQMD, LST Methodology Appendix C – Mass Rate LST Look-Up Table, October 2009.

#### **4.1.3 Toxic Air Contaminants (construction and operations)**

Potential TAC impacts are evaluated by conducting a qualitative analysis consistent with the CARB Handbook, followed by a more detailed analysis (i.e., dispersion modeling), as necessary. The qualitative analysis consists of reviewing the Project to identify any new or modified TAC emissions sources. If the qualitative evaluation does not rule out significant impacts from a new source, or the modification of an existing TAC emissions source, a more detailed analysis is conducted.

### **4.2 Thresholds of significance**

#### **4.2.1 State CEQA Guidelines: Appendix G**

In accordance with Appendix G of the CEQA Guidelines, the Project would have a significant impact related to air quality if the Project would result in:

- a) Conflict with or obstruct implementation of the applicable air quality plan?*
- b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?*
- c) Expose sensitive receptors to substantial pollutant concentrations?*
- d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?*

#### **4.2.2 SCAQMD CEQA Air Quality Handbook**

##### **4.2.2.1 Construction**

The following criteria set forth in the SCAQMD's CEQA Air Quality Handbook serve as quantitative air quality standards to be used to evaluate project construction impacts with respect to the Appendix G thresholds. Under these thresholds, a significant impact would occur if:

- Regional emissions from both direct and indirect sources exceed the thresholds shown in **Table 4**, above.
- Maximum on-site daily localized emissions exceed the LSTs also shown in **Table 4**.

##### **4.2.2.2 Operations**

The following SCAQMD thresholds serve as quantitative air quality standards to evaluate project operational impacts with respect to the Appendix G thresholds. Under these thresholds, a significant impact would occur if:

- Operational emissions from both on- and off-site sources exceed the regional thresholds shown in **Table 5**, above.
- Maximum on-site daily localized emissions exceed the LSTs also shown in **Table 5**.
- The Project creates an odor nuisance pursuant to SCAQMD Rule 402.

## 5. Analysis of Project Impacts

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### 5.1 Threshold a):

**Would the project conflict with or obstruct implementation of the applicable air quality plan?**

#### **5.1.1 SCAQMD 2016 AQMP and SCAG 2016-2040 RTP/SCS consistency**

The following analysis assesses the Project's consistency with the SCAQMD's 2016 AQMP and SCAG's latest 2020-2045 RTP/SCS. As discussed earlier, the 2016 AQMP's projections for achieving state and federal air quality goals are based on population, housing, and employment trend assumptions in the previous 2016-2040 RTP/SCS, which are themselves largely based on growth forecasts from local governments like the City of Los Angeles; therefore a project is consistent with the 2016 AQMP, in part, if it is consistent with the population, housing, and employment assumptions and smart growth policies that were used in the formation of the AQMP.

The Project's development would not exceed the growth assumptions of the 2016-2040 RTP/SCS (or the latest 2020-2045 RTP/SCS, for that matter). The Project site is zoned "M1-1," which would permit the Project's proposed development of warehouse uses on the site. As such, RTP/SCS assumptions about population and employment growth in the City accommodate the Project on this site.

Further, the latest RTP/SCS also identifies "Job Centers," which represent areas with significantly higher employment density than surrounding areas. The RTP/SCS seeks to prioritize employment growth in existing Job Centers to leverage existing density and infrastructure or future transit infrastructure. The Project is located in or near the Sylmar Job Center, which the RTP/SCS identifies as being generally near the Foothill Freeway's connection to the Golden State Freeway, just north of the Project. Because the Project would intensify the site's usage by replacing the site's existing 182,230 square feet of warehouses uses with more than 600,000 square feet of warehouse and ancillary uses, the Project would presumably increase the share of employment associated with the site and contribute to both employment growth and employment density within the Sylmar Job Center. Therefore, development of the Project would also be consistent with the RTP/SCS's strategies concerning Job Centers. The Project is not located within a HQTa, but the local HQTa network currently extends to approximately the intersection of San Fernando Road and Polk Street – approximately 1.25 miles southeast of the Project. By boosting employment growth and employment density within the Sylmar Job Center – which is not yet a part of this HQTa network – the Project would help leverage future efforts to expand the local HQTa network to include the Sylmar Job Center.

#### **5.1.2 City of Los Angeles policies**

In addition to the 2016 AQMP and 2020-2045 RTP/SCS, the City of Los Angeles General Plan Air Quality Element also identifies policies and strategies for advancing the City's clean air goals. As shown below in **Table 6**, the Project would be consistent with the applicable policies of the Air Quality Element.

**Table 6**  
**Project Consistency with City of Los Angeles General Plan Air Quality Element**

| Strategy                                                                                                                                                                                                                                                                                                                          | Project Consistency                                                                                                                                                                                                                                                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Policy 1.3.1</b> – Minimize particulate emissions from construction sites.                                                                                                                                                                                                                                                     | <b>Consistent</b> – The Project would minimize particulate emissions during construction by adhering to SCAQMD Rule 403 regulations and Best Available Control Measures (“BACMs”). Additionally, to be discussed later in this study, the Project would utilize construction equipment with EPA Tier 4 engines |
| <b>Policy 1.3.2</b> – Minimize particulate emissions from unpaved roads and parking lots associated with vehicular traffic.                                                                                                                                                                                                       | <b>Consistent</b> – The Project would not include the development of any unpaved roads or parking lots.                                                                                                                                                                                                        |
| <b>Policy 2.1.1</b> – Utilize compressed work weeks and flextime, telecommuting, carpooling, vanpooling, public transit, and improve walking/bicycling related facilities in order to reduce vehicle trips and/or VMT as an employer and encourage the private sector to do the same to reduce work trips and traffic congestion. | <b>Consistent</b> – Future employers could implement these transportation demand management strategies that help reduce traffic congestion, VMT, and subsequently air pollution. Short- and long-term bicycle parking spaces and lockers would be provided in accordance with State and local requirements.    |
| <b>Policy 2.1.2</b> – Facilitate and encourage the use of telecommunications (i.e., telecommuting) in both the public and private sectors in order to reduce work trips.                                                                                                                                                          | <b>Consistent</b> – Future employers could implement these telecommunications strategies that help reduce traffic congestion, VMT, and subsequently air pollution.                                                                                                                                             |
| <b>Policy 2.2.1</b> – Discourage single-occupant vehicle use through a variety of measures such as market incentive strategies, mode-shift incentives, trip reduction plans, and ridesharing subsidies.                                                                                                                           | <b>Consistent</b> – Future employers could implement these strategies that help reduce traffic congestion, VMT, and subsequently air pollution.                                                                                                                                                                |
| <b>Policy 2.2.2</b> – Encourage multi-occupant vehicle travel and discourage single-occupant vehicle travel by instituting parking management practices.                                                                                                                                                                          | <b>Consistent</b> – Future employers could implement parking management programs that reduce employee vehicle travel.                                                                                                                                                                                          |
| <b>Policy 2.2.3</b> – Minimize the use of single-occupant vehicles associated with special events or in areas and in times of high levels of pedestrian activities.                                                                                                                                                               | <b>Not Applicable</b> – The Project would not include any facilities for the types of special events referenced by this policy.                                                                                                                                                                                |
| <b>Policy 3.2.1</b> – Manage traffic congestion during peak hours.                                                                                                                                                                                                                                                                | <b>Consistent</b> – According to the Project’s Transportation Assessment report, the Project is not forecast to result in operational deficiencies at nearby intersections, meaning that the Project would not contribute to substantially greater traffic congestion. <sup>12</sup>                           |
| <b>Policy 4.1.1</b> – Coordinate with all appropriate regional agencies on the implementation of strategies for the integration of land use, transportation, and air quality policies.                                                                                                                                            | <b>Consistent</b> – The Project is being entitled through the City of Los Angeles, which coordinates with SCAG, Metro, and other regional agencies on the management of land use, air quality, and transportation policies.                                                                                    |
| <b>Policy 4.1.2</b> – Ensure that project level review and approval of land use development remains at the local level.                                                                                                                                                                                                           | <b>Consistent</b> – The Project would be entitled and environmentally cleared at the local level.                                                                                                                                                                                                              |

<sup>12</sup>

Ganddini Group, Inc. Roxford Street Warehouses Project Transportation Assessment. January 6, 2022.

|                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Policy 4.2.3</b> – Ensure that new development is compatible with pedestrians, bicycles, transit, and alternative fuel vehicles. | <b>Consistent</b> – Short- and long-term bicycle parking spaces and lockers would be provided in accordance with State and local requirements. Additionally: <ul style="list-style-type: none"> <li>• The Project would conform to all design element requirements of the City’s Complete Streets Design Guide so that Project features do not hinder sight distance, mobility, or accessibility.</li> <li>• Nearby San Fernando Road is designated a “Moderate Transit Enhanced Street” by the City’s Mobility Plan 2035.</li> <li>• Nearby Telfair Avenue is designated a “Neighborhood Enhanced Network” by the City’s Mobility Plan 2035.</li> <li>• The Project would include 131 EV parking spaces and 44 EV charging stalls.</li> </ul> |
| <b>Policy 4.2.4</b> – Require that air quality impacts be a consideration in the review and approval of all discretionary projects. | <b>Consistent</b> – The Project’s air quality impacts are analyzed in this document, and as provided herein, all Project impacts with respect to air quality would be less than significant.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Policy 4.2.5</b> – Emphasize trip reduction, alternative transit and congestion management measures for discretionary projects.  | <b>Consistent</b> – For the reasons discussed above and elsewhere in this report, the Project would be consistent with this policy.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Policy 5.3.1</b> – Support the development and use of equipment powered by electric or low-emitting fuels.                       | <b>Consistent</b> – The Project would be designed to meet the applicable requirements of the State’s Green Building Standards Code and the City’s Green Building Code.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Source: NTEC, 2022.                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

### 5.1.3 Threshold (a) summary

To summarize the analysis in response to Threshold (a): (1) Project-related growth would be consistent with 2016 AQMP projections that are themselves based on 2016-2040 RTP/SCS projections; (2) the Project would be consistent with SCAG’s planning strategies to prioritize employment growth in “Job Centers”; (3) to be discussed below, air emissions associated with the Project’s construction and operations would neither exceed nor contribute to any exceedance of ambient air quality standards and thresholds, nor would they interfere with the AQMP’s attainment of air quality standards or interim emissions reductions. As a result, the Project would not conflict with or obstruct the implementation of any applicable air quality plans, and its impact with respect to Threshold (a) would be **less than significant**.

## 5.2 Threshold b):

**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 federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?**

The Project would contribute to local and regional air pollutant emissions during its construction (short-term) and operations (long-term). However, as discussed in the following analysis, construction and operations of the Project

would not result in exceedances of SCAQMD daily thresholds for project-specific impacts that could subsequently cause cumulatively considerable increases in emissions of pollutants for which the Basin is designated as non-attainment.

### 5.2.1 Construction Emissions

Construction of the Project is anticipated to last approximately 22 months. During this time, a variety of diesel-powered vehicles and equipment would be operated on-site. **Table 7**, below, summarizes the estimated construction schedule that was used to model the Project's air quality impacts. The analysis assumes that there would be some overlap during the building construction, architectural coating, and paving phases of construction. Additionally, it is worth noting though the Project's grading is anticipated to have balanced cut and fill, the analysis has conservatively assumed that the Project may require up to 100,00 cubic yards of soil export during its grading phase.

**Table 7**  
**Potential Construction Schedule**

| Phase                                                                                                                                                   | Duration  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Demolition                                                                                                                                              | 2 months  |
| Grading                                                                                                                                                 | 2 months  |
| Trenching                                                                                                                                               | 1 month   |
| Building Construction                                                                                                                                   | 16 months |
| Architectural Coating                                                                                                                                   | 3 months  |
| Paving                                                                                                                                                  | 1 month   |
| Note: The analysis assumes that there would be some overlap during the building construction, architectural coating, and paving phases of construction. |           |
| Source: NTEC, 2021.                                                                                                                                     |           |

The Project's unmitigated maximum daily regional and local emissions from construction, as estimated using SCAQMD's CalEEMod 2020.4.0 model, are shown in **Table 8**, below. Regional thresholds and LSTs for each air pollutant are also shown for comparison. As shown, the Project's unmitigated regional construction emissions would not exceed SCAQMD regional significance thresholds for VOC, NO<sub>x</sub>, CO, SO<sub>x</sub>, PM<sub>10</sub>, or PM<sub>2.5</sub>. Local emissions also would not exceed SCAQMD LSTs for NO<sub>x</sub>, CO, PM<sub>10</sub>, or PM<sub>2.5</sub>. As a result, the Project's construction-related emissions impacts on regional and localized air quality would be **less than significant**.

**Table 8**  
**Maximum Regional and Localized Daily Construction Emissions – Unmitigated**

|                                   | Emissions in lbs per day |                 |      |                 |                  |                   |
|-----------------------------------|--------------------------|-----------------|------|-----------------|------------------|-------------------|
|                                   | VOC                      | NO <sub>x</sub> | CO   | SO <sub>x</sub> | PM <sub>10</sub> | PM <sub>2.5</sub> |
| <b>Maximum Regional Emissions</b> |                          |                 |      |                 |                  |                   |
| Demolition                        | 2.4                      | 24.1            | 22.2 | 0.1             | 2.7              | 1.2               |
| Grading                           | 4.3                      | 54.6            | 40.0 | 0.2             | 3.8              | 2.0               |
| Trenching                         | 1.3                      | 12.8            | 18.1 | <0.1            | 0.8              | 0.6               |
| Building Construction (Year 1)    | 5.0                      | 37.5            | 55.4 | 0.2             | 3.6              | 2.0               |
| Building Construction (Year 2)    | 4.6                      | 35.7            | 54.0 | 0.2             | 3.4              | 1.8               |

|                                                                                                                                                                                                                                                        |           |           |           |           |           |           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Building Construction (Year 2) and Arc. Coatings Overlap                                                                                                                                                                                               | 51.0      | 38.3      | 61.0      | 0.2       | 3.9       | 2.0       |
| Arc. Coatings and Paving Overlap                                                                                                                                                                                                                       | 49.1      | 13.8      | 25.1      | <0.1      | 1.1       | 0.7       |
| Maximum Regional Emissions                                                                                                                                                                                                                             | 51.0      | 54.6      | 61.0      | 0.2       | 3.9       | 2.0       |
| Regional Daily Threshold                                                                                                                                                                                                                               | 75        | 100       | 550       | 150       | 150       | 55        |
| <b>Exceed Threshold?</b>                                                                                                                                                                                                                               | <b>No</b> | <b>No</b> | <b>No</b> | <b>No</b> | <b>No</b> | <b>No</b> |
| <b>Localized Emissions</b>                                                                                                                                                                                                                             |           |           |           |           |           |           |
| Demolition                                                                                                                                                                                                                                             | 2.3       | 22.8      | 20.9      | 0.1       | 2.6       | 1.1       |
| Grading                                                                                                                                                                                                                                                | 3.8       | 40.8      | 33.1      | 0.1       | 3.1       | 1.7       |
| Trenching                                                                                                                                                                                                                                              | 1.2       | 12.8      | 17.4      | <0.1      | 0.6       | 0.5       |
| Building Construction (Year 1)                                                                                                                                                                                                                         | 3.1       | 28.7      | 34.1      | 0.1       | 1.2       | 1.2       |
| Building Construction (Year 2)                                                                                                                                                                                                                         | 2.9       | 27.0      | 34.0      | 0.1       | 1.1       | 1.0       |
| Building Construction (Year 2) and Arc. Coatings Overlap                                                                                                                                                                                               | 48.9      | 29.4      | 37.6      | 0.1       | 1.2       | 1.1       |
| Arc. Coatings and Paving Overlap                                                                                                                                                                                                                       | 48.7      | 13.5      | 21.0      | <0.1      | 0.6       | 0.6       |
| Maximum Localized Emissions                                                                                                                                                                                                                            | 48.9      | 40.8      | 37.6      | 0.1       | 3.1       | 1.7       |
| Localized Significance Threshold                                                                                                                                                                                                                       | -         | 114       | 786       | -         | 17        | 5         |
| <b>Exceed Threshold?</b>                                                                                                                                                                                                                               | -         | <b>No</b> | <b>No</b> | -         | <b>No</b> | <b>No</b> |
| Note: Some figures may not add up properly due to rounding. Additionally, the analysis assumes the Project's adherence to SCAQMD Rule 403 requirements and BACMs, which is mandatory for all active construction operations under SCAQMD jurisdiction. |           |           |           |           |           |           |
| Source: NTEC, 2022.                                                                                                                                                                                                                                    |           |           |           |           |           |           |

Despite having less than significant air quality impacts related to construction emissions, the Project has elected to commit to the utilization of construction equipment that meets or exceeds the equivalent emissions performance of EPA Tier 4 Final standards for off-road engines. Therefore, the Project adopts the following Project Design Feature (PDF):

**PDF-AQ-1** The Project shall utilize construction equipment that meets or exceeds USEPA Tier 4 Final emissions standards.

**Table 9** shows the Project's construction emissions after the implementation of PDF-AQ-1.

**Table 9**  
**Maximum Regional and Localized Daily Construction Emissions – with PDF-AQ-1**

|                                   | Emissions in lbs per day |                 |      |                 |                  |                   |
|-----------------------------------|--------------------------|-----------------|------|-----------------|------------------|-------------------|
|                                   | VOC                      | NO <sub>x</sub> | CO   | SO <sub>x</sub> | PM <sub>10</sub> | PM <sub>2.5</sub> |
| <b>Maximum Regional Emissions</b> |                          |                 |      |                 |                  |                   |
| Demolition                        | 0.7                      | 3.9             | 29.6 | 0.1             | 1.9              | 0.4               |
| Grading                           | 1.4                      | 17.8            | 47.1 | 0.1             | 2.3              | 0.5               |
| Trenching                         | 0.4                      | 1.6             | 21.0 | <0.1            | 0.1              | 0.1               |
| Building Construction (Year 1)    | 2.6                      | 15.2            | 59.1 | 0.1             | 2.4              | 0.9               |
| Building Construction (Year 2)    | 2.5                      | 15.1            | 57.7 | 0.1             | 2.4              | 0.9               |

|                                                                                                                                                                                                                                                        |           |           |           |           |           |           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Building Construction (Year 2) and Arc. Coatings Overlap                                                                                                                                                                                               | 48.5      | 15.6      | 64.8      | 0.2       | 2.8       | 1.0       |
| Arc. Coatings and Paving Overlap                                                                                                                                                                                                                       | 48.0      | 4.1       | 28.2      | <0.1      | 0.5       | 0.2       |
| Maximum Regional Emissions                                                                                                                                                                                                                             | 48.5      | 17.8      | 64.8      | 0.2       | 2.8       | 1.0       |
| Regional Daily Threshold                                                                                                                                                                                                                               | 75        | 100       | 550       | 150       | 150       | 55        |
| <b>Exceed Threshold?</b>                                                                                                                                                                                                                               | <b>No</b> | <b>No</b> | <b>No</b> | <b>No</b> | <b>No</b> | <b>No</b> |
| <b>Localized Emissions</b>                                                                                                                                                                                                                             |           |           |           |           |           |           |
| Demolition                                                                                                                                                                                                                                             | 0.6       | 2.6       | 28.4      | 0.1       | 1.7       | 0.3       |
| Grading                                                                                                                                                                                                                                                | 0.9       | 4.0       | 40.1      | 0.1       | 1.6       | 0.3       |
| Trenching                                                                                                                                                                                                                                              | 0.4       | 1.6       | 20.4      | <0.1      | <0.1      | <0.1      |
| Building Construction (Year 1)                                                                                                                                                                                                                         | 0.7       | 6.4       | 37.7      | 0.1       | 0.1       | 0.1       |
| Building Construction (Year 2)                                                                                                                                                                                                                         | 0.7       | 6.4       | 37.7      | 0.1       | 0.1       | 0.1       |
| Building Construction (Year 2) and Arc. Coatings Overlap                                                                                                                                                                                               | 46.4      | 6.7       | 41.4      | 0.1       | 0.1       | 0.1       |
| Arc. Coatings and Paving Overlap                                                                                                                                                                                                                       | 47.7      | 3.8       | 24.1      | <0.1      | <0.1      | <0.1      |
| Maximum Localized Emissions                                                                                                                                                                                                                            | 47.7      | 6.7       | 40.1      | 0.1       | 1.7       | 0.3       |
| Localized Significance Threshold                                                                                                                                                                                                                       | -         | 114       | 786       | -         | 17        | 5         |
| <b>Exceed Threshold?</b>                                                                                                                                                                                                                               | <b>-</b>  | <b>No</b> | <b>No</b> | <b>-</b>  | <b>No</b> | <b>No</b> |
| Note: Some figures may not add up properly due to rounding. Additionally, the analysis assumes the Project's adherence to SCAQMD Rule 403 requirements and BACMs, which is mandatory for all active construction operations under SCAQMD jurisdiction. |           |           |           |           |           |           |
| Source: NTEC, 2022.                                                                                                                                                                                                                                    |           |           |           |           |           |           |

### 5.2.2 Operations emissions

Emissions associated with the Project's operations were also calculated using CalEEMod 2020.4.0. **Table 10** shows the estimated maximum daily operations emissions for the Project. As shown, maximum daily emissions would not exceed SCAQMD regional significance thresholds for VOC, NO<sub>x</sub>, CO, PM<sub>10</sub>, and PM<sub>2.5</sub>, nor would they exceed SCAQMD LSTs for NO<sub>x</sub>, CO, PM<sub>10</sub>, or PM<sub>2.5</sub>. As a result, the Project's operations-related emissions impacts on regional and localized air quality would be **less than significant**.

**Table 10**  
**Maximum Regional and Localized Operational Emissions – Unmitigated**

| Emissions Source                  | Emissions in lbs per day |                 |           |                 |                  |                   |
|-----------------------------------|--------------------------|-----------------|-----------|-----------------|------------------|-------------------|
|                                   | VOC                      | NO <sub>x</sub> | CO        | SO <sub>x</sub> | PM <sub>10</sub> | PM <sub>2.5</sub> |
| Area                              | 13.2                     | <0.1            | 0.1       | <0.1            | <0.1             | <0.1              |
| Energy                            | <0.1                     | 0.2             | 0.2       | <0.1            | <0.1             | <0.1              |
| Mobile Sources                    | 4.9                      | 5.3             | 54.4      | 0.1             | 13.2             | 3.6               |
| Project Regional Emissions        | 18.1                     | 5.6             | 54.6      | 0.1             | 13.2             | 3.6               |
| Regional Daily Thresholds         | 55                       | 55              | 550       | 150             | 150              | 55                |
| <b>Exceed Threshold?</b>          | <b>No</b>                | <b>No</b>       | <b>No</b> | <b>No</b>       | <b>No</b>        | <b>No</b>         |
| Project Localized Emissions       | 13.2                     | <0.1            | 0.1       | <0.1            | <0.1             | <0.1              |
| Localized Significance Thresholds | -                        | 172             | 1,434     | -               | 24               | 9                 |

| Exceed Threshold?                                           | - | No | No | - | No | No |
|-------------------------------------------------------------|---|----|----|---|----|----|
| Note: Some figures may not add up properly due to rounding. |   |    |    |   |    |    |
| Source: NTEC, 2022.                                         |   |    |    |   |    |    |

### 5.2.3 Emissions summary – health impact

The Project's construction and operations emissions would not exceed applicable regional thresholds and LSTs. As discussed, SCAQMD thresholds represent the maximum emissions that would not be expected to cause or materially contribute to an exceedance of NAAQS or CAAQS, which themselves represent the maximum concentrations of pollutants that can be present in outdoor air without any harmful effects on people or the environment. Therefore, neither the Project's construction nor operations emissions would be expected to cause or measurably contribute to adverse health impacts, and the Project's construction and operations emissions impacts on regional and localized air quality would be **less than significant**.

## 5.3 Threshold c):

**Would the project expose sensitive receptors to substantial pollutant concentrations?**

### 5.3.1 Construction emissions

As discussed previously, the Project's construction emissions would not exceed the SCAQMD's regional significance thresholds. Construction emissions also would not exceed SCAQMD LSTs, meaning that nearby sensitive receptors generally located 25 meters or farther from the Project would not be exposed to substantial pollutant concentrations that would present a public health concern.

The primary TAC that would be generated by construction activities is diesel PM, which would be released from the exhaust pipes of diesel-powered construction vehicles and equipment. According to SCAQMD methodology, health risks from carcinogenic air toxics such as diesel PM are usually quantified in terms of individual cancer risk, which is the likelihood that a person exposed to concentrations of TACs over a 30-year period will contract cancer based on standard risk-assessment methodology. However, the anticipated duration of construction activities associated with the Project's implementation is only approximately 22 months, and daily diesel PM emissions would vary considerably day by day, and by phase. Additionally, as shown earlier, the Project's maximum daily PM emissions, which include exhaust PM, would not exceed applicable regional thresholds and LSTs. Given these considerations, TAC emissions from the Project's construction equipment are expected to result in **less than significant** health risk impacts.

### 5.3.2 Operations emissions

As also discussed previously, the Project's operational emissions would not exceed SCAQMD regional significance thresholds or LSTs.

Though the Project would generate traffic that produces and contributes to off-site emissions, Project traffic generation would not result in exceedances of CO air quality standards at nearby roadways due to three key factors. First, CO hotspots are rare and only occur in the presence of unusual atmospheric conditions and extremely cold conditions, neither of which applies to the Project area. Second, auto-related emissions of CO continue to decline because of advances in fuel combustion technology and the increasing penetration of this technology in the vehicle fleet. As shown earlier in **Table 2**, CO levels in the Project area are well-below federal and state standards, as are CO levels in the Basin itself. No exceedances of CO have been recorded at nearby monitoring stations for some time, and the Basin is

currently designated as a CO attainment area for both CAAQS and NAAQS. Third and lastly, as discussed earlier, the Project would not contribute substantially to additional traffic congestion. Therefore, the Project's potential to expose sensitive receptors to substantial CO concentrations as a result of CO hotspots would be **less than significant**.

## 5.4 Cumulative Impacts

### 5.4.1 Impact analysis

SCAQMD recommends that any construction-related emissions and operational emissions from individual development projects that exceed the project-specific mass daily emissions thresholds identified above also be considered cumulatively considerable.<sup>13</sup> Individual projects that would not generate emissions in excess of SCAQMD's significance thresholds would not contribute considerably to any potential cumulative impact. SCAQMD neither recommends quantified analyses of the emissions generated by a set of cumulative development projects nor provides thresholds of significance to be used to assess the impacts associated with these emissions. As shown above, the Project's emissions would not exceed any of the SCAQMD's regional or localized significance thresholds. Therefore, the Project's contribution to cumulative air quality impacts would be less than significant.

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<sup>13</sup> SCAQMD, White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution, <http://www.aqmd.gov/docs/default-source/Agendas/Environmental-Justice/cumulative-impacts-working-group/cumulative-impacts-white-paper.pdf>, August 2003.

## *Air Quality Study Appendix*

## Roxford Warehouses - Existing Uses - Los Angeles-South Coast County, Summer

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

## Roxford Warehouses - Existing Uses

## Los Angeles-South Coast County, Summer

## 1.0 Project Characteristics

## 1.1 Land Usage

| Land Uses       | Size   | Metric   | Lot Acreage | Floor Surface Area | Population |
|-----------------|--------|----------|-------------|--------------------|------------|
| Industrial Park | 182.23 | 1000sqft | 4.18        | 182,230.00         | 0          |
| Parking Lot     | 23.75  | Acre     | 23.75       | 1,034,550.00       | 0          |

## 1.2 Other Project Characteristics

|                         |                                         |                         |       |                           |       |
|-------------------------|-----------------------------------------|-------------------------|-------|---------------------------|-------|
| Urbanization            | Urban                                   | Wind Speed (m/s)        | 2.2   | Precipitation Freq (Days) | 33    |
| Climate Zone            | 12                                      |                         |       | Operational Year          | 2022  |
| Utility Company         | Los Angeles Department of Water & Power |                         |       |                           |       |
| CO2 Intensity (lb/MWhr) | 691.98                                  | CH4 Intensity (lb/MWhr) | 0.033 | N2O Intensity (lb/MWhr)   | 0.004 |

## 1.3 User Entered Comments &amp; Non-Default Data

Project Characteristics - Existing scenario only - no construction

Land Use -

Construction Phase - No construction

Off-road Equipment - No construction

| Table Name           | Column Name                | Default Value | New Value |
|----------------------|----------------------------|---------------|-----------|
| tblConstructionPhase | NumDays                    | 30.00         | 1.00      |
| tblConstructionPhase | PhaseEndDate               | 2/11/2022     | 1/3/2022  |
| tblOffRoadEquipment  | OffRoadEquipmentUnitAmount | 1.00          | 0.00      |
| tblOffRoadEquipment  | OffRoadEquipmentUnitAmount | 3.00          | 0.00      |
| tblOffRoadEquipment  | OffRoadEquipmentUnitAmount | 2.00          | 0.00      |

### 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)

[illegible][illegible][illegible]

Roxford Warehouses - Existing Uses - Los Angeles-South Coast County, Summer

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

## Roxford Warehouses - Existing Uses - Los Angeles-South Coast County, Summer

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

## 2.2 Overall Operational

Unmitigated Operational

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O           | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |               |                   |
| Area         | 4.5182        | 1.9000e-004   | 0.0211         | 0.0000        |               | 8.0000e-005   | 8.0000e-005   |                | 8.0000e-005   | 8.0000e-005   |          | 0.0451            | 0.0451            | 1.2000e-004   |               | 0.0481            |
| Energy       | 0.0555        | 0.5046        | 0.4239         | 3.0300e-003   |               | 0.0384        | 0.0384        |                | 0.0384        | 0.0384        |          | 605.5733          | 605.5733          | 0.0116        | 0.0111        | 609.1720          |
| Mobile       | 2.1646        | 2.5894        | 23.8501        | 0.0521        | 5.1416        | 0.0427        | 5.1843        | 1.3695         | 0.0398        | 1.4093        |          | 5,309.5953        | 5,309.5953        | 0.3349        | 0.2123        | 5,381.2272        |
| <b>Total</b> | <b>6.7383</b> | <b>3.0942</b> | <b>24.2950</b> | <b>0.0551</b> | <b>5.1416</b> | <b>0.0811</b> | <b>5.2227</b> | <b>1.3695</b>  | <b>0.0782</b> | <b>1.4477</b> |          | <b>5,915.2137</b> | <b>5,915.2137</b> | <b>0.3466</b> | <b>0.2234</b> | <b>5,990.4472</b> |

Mitigated Operational

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O           | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |               |                   |
| Area         | 4.5182        | 1.9000e-004   | 0.0211         | 0.0000        |               | 8.0000e-005   | 8.0000e-005   |                | 8.0000e-005   | 8.0000e-005   |          | 0.0451            | 0.0451            | 1.2000e-004   |               | 0.0481            |
| Energy       | 0.0555        | 0.5046        | 0.4239         | 3.0300e-003   |               | 0.0384        | 0.0384        |                | 0.0384        | 0.0384        |          | 605.5733          | 605.5733          | 0.0116        | 0.0111        | 609.1720          |
| Mobile       | 2.1646        | 2.5894        | 23.8501        | 0.0521        | 5.1416        | 0.0427        | 5.1843        | 1.3695         | 0.0398        | 1.4093        |          | 5,309.5953        | 5,309.5953        | 0.3349        | 0.2123        | 5,381.2272        |
| <b>Total</b> | <b>6.7383</b> | <b>3.0942</b> | <b>24.2950</b> | <b>0.0551</b> | <b>5.1416</b> | <b>0.0811</b> | <b>5.2227</b> | <b>1.3695</b>  | <b>0.0782</b> | <b>1.4477</b> |          | <b>5,915.2137</b> | <b>5,915.2137</b> | <b>0.3466</b> | <b>0.2234</b> | <b>5,990.4472</b> |

## Roxford Warehouses - Existing Uses - Los Angeles-South Coast County, Summer

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

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

**3.0 Construction Detail****Construction Phase**

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|------------|------------|------------|----------|---------------|----------|-------------------|
| 1            | Demolition | Demolition | 1/1/2022   | 1/3/2022 | 5             | 1        |                   |

**Acres of Grading (Site Preparation Phase): 0****Acres of Grading (Grading Phase): 0****Acres of Paving: 23.75****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

| Phase Name | Offroad Equipment Type   | Amount | Usage Hours | Horse Power | Load Factor |
|------------|--------------------------|--------|-------------|-------------|-------------|
| Demolition | Concrete/Industrial Saws | 0      | 8.00        | 81          | 0.73        |
| Demolition | Excavators               | 0      | 8.00        | 158         | 0.38        |
| Demolition | Rubber Tired Dozers      | 0      | 8.00        | 247         | 0.40        |

**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 | 0                       | 0.00               | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

**3.1 Mitigation Measures Construction**

## Roxford Warehouses - Existing Uses - Los Angeles-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 - 2022

Unmitigated Construction On-Site

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2     | Total CO2     | CH4           | N2O | CO2e          |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|---------------|---------------|---------------|-----|---------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |               |               |               |     |               |
| Off-Road     | 0.0000        | 0.0000        | 0.0000        | 0.0000        |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000        | 0.0000        | 0.0000        |     | 0.0000        |
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |               | <b>0.0000</b> | <b>0.0000</b> |                | <b>0.0000</b> | <b>0.0000</b> |          | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |     | <b>0.0000</b> |

Unmitigated Construction Off-Site

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

## Roxford Warehouses - Existing Uses - Los Angeles-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 - 2022

Mitigated Construction On-Site

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2     | Total CO2     | CH4           | N2O | CO2e          |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|-----|---------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day        |               |               |               |     |               |
| Off-Road     | 0.0000        | 0.0000        | 0.0000        | 0.0000        |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |     | 0.0000        |
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |               | <b>0.0000</b> | <b>0.0000</b> |                | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |     | <b>0.0000</b> |

Mitigated Construction Off-Site

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

## 4.0 Operational Detail - Mobile

## Roxford Warehouses - Existing Uses - Los Angeles-South Coast County, Summer

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

## 4.1 Mitigation Measures Mobile

|             | ROG    | NOx    | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 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   | 2.1646 | 2.5894 | 23.8501 | 0.0521 | 5.1416        | 0.0427       | 5.1843     | 1.3695         | 0.0398        | 1.4093      |          | 5,309.595<br>3 | 5,309.595<br>3 | 0.3349 | 0.2123 | 5,381.227<br>2 |
| Unmitigated | 2.1646 | 2.5894 | 23.8501 | 0.0521 | 5.1416        | 0.0427       | 5.1843     | 1.3695         | 0.0398        | 1.4093      |          | 5,309.595<br>3 | 5,309.595<br>3 | 0.3349 | 0.2123 | 5,381.227<br>2 |

## 4.2 Trip Summary Information

|                 | Average Daily Trip Rate |          |        | Unmitigated | Mitigated  |
|-----------------|-------------------------|----------|--------|-------------|------------|
| Land Use        | Weekday                 | Saturday | Sunday | Annual VMT  | Annual VMT |
| Industrial Park | 614.12                  | 462.86   | 225.97 | 2,135,818   | 2,135,818  |
| Parking Lot     | 0.00                    | 0.00     | 0.00   |             |            |
| Total           | 614.12                  | 462.86   | 225.97 | 2,135,818   | 2,135,818  |

## 4.3 Trip Type Information

|                 | Miles      |            |             | Trip %     |            |             | Trip Purpose % |          |         |
|-----------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
| Land Use        | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary        | Diverted | Pass-by |
| Industrial Park | 16.60      | 8.40       | 6.90        | 59.00      | 28.00      | 13.00       | 79             | 19       | 2       |
| Parking Lot     | 16.60      | 8.40       | 6.90        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |

## 4.4 Fleet Mix

| Land Use        | LDA      | LDT1     | LDT2     | MDV      | LHD1     | LHD2     | MHD      | HHD      | OBUS     | UBUS     | MCY      | SBUS     | MH       |
|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Industrial Park | 0.546774 | 0.061880 | 0.186704 | 0.127505 | 0.022909 | 0.005912 | 0.010702 | 0.008032 | 0.000940 | 0.000617 | 0.023937 | 0.000692 | 0.003397 |

## Roxford Warehouses - Existing Uses - Los Angeles-South Coast County, Summer

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

|             |          |          |          |          |          |          |          |          |          |          |          |          |          |
|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Parking Lot | 0.546774 | 0.061880 | 0.186704 | 0.127505 | 0.022909 | 0.005912 | 0.010702 | 0.008032 | 0.000940 | 0.000617 | 0.023937 | 0.000692 | 0.003397 |
|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|

**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   | 0.0555 | 0.5046 | 0.4239 | 3.0300e-003 |               | 0.0384       | 0.0384     |                | 0.0384        | 0.0384      |          | 605.5733  | 605.5733  | 0.0116 | 0.0111 | 609.1720 |
| NaturalGas Unmitigated | 0.0555 | 0.5046 | 0.4239 | 3.0300e-003 |               | 0.0384       | 0.0384     |                | 0.0384        | 0.0384      |          | 605.5733  | 605.5733  | 0.0116 | 0.0111 | 609.1720 |

## Roxford Warehouses - Existing Uses - Los Angeles-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   |                 |                 |               |               |                 |
| Industrial Park | 5147.37        | 0.0555        | 0.5046        | 0.4239        | 3.0300e-003        |               | 0.0384        | 0.0384        |                | 0.0384        | 0.0384        |          | 605.5733        | 605.5733        | 0.0116        | 0.0111        | 609.1720        |
| 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          |
| <b>Total</b>    |                | <b>0.0555</b> | <b>0.5046</b> | <b>0.4239</b> | <b>3.0300e-003</b> |               | <b>0.0384</b> | <b>0.0384</b> |                | <b>0.0384</b> | <b>0.0384</b> |          | <b>605.5733</b> | <b>605.5733</b> | <b>0.0116</b> | <b>0.0111</b> | <b>609.1720</b> |

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   |                 |                 |               |               |                 |
| Industrial Park | 5.14737        | 0.0555        | 0.5046        | 0.4239        | 3.0300e-003        |               | 0.0384        | 0.0384        |                | 0.0384        | 0.0384        |          | 605.5733        | 605.5733        | 0.0116        | 0.0111        | 609.1720        |
| 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          |
| <b>Total</b>    |                | <b>0.0555</b> | <b>0.5046</b> | <b>0.4239</b> | <b>3.0300e-003</b> |               | <b>0.0384</b> | <b>0.0384</b> |                | <b>0.0384</b> | <b>0.0384</b> |          | <b>605.5733</b> | <b>605.5733</b> | <b>0.0116</b> | <b>0.0111</b> | <b>609.1720</b> |

## 6.0 Area Detail

## Roxford Warehouses - Existing Uses - Los Angeles-South Coast County, Summer

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

## 6.1 Mitigation Measures Area

|             | ROG    | NOx         | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O | CO2e   |
|-------------|--------|-------------|--------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category    | lb/day |             |        |        |               |              |             |                |               |             | lb/day   |           |           |             |     |        |
| Mitigated   | 4.5182 | 1.9000e-004 | 0.0211 | 0.0000 |               | 8.0000e-005  | 8.0000e-005 |                | 8.0000e-005   | 8.0000e-005 |          | 0.0451    | 0.0451    | 1.2000e-004 |     | 0.0481 |
| Unmitigated | 4.5182 | 1.9000e-004 | 0.0211 | 0.0000 |               | 8.0000e-005  | 8.0000e-005 |                | 8.0000e-005   | 8.0000e-005 |          | 0.0451    | 0.0451    | 1.2000e-004 |     | 0.0481 |

## 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 | 0.5416        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Consumer Products     | 3.9746        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Landscaping           | 1.9600e-003   | 1.9000e-004        | 0.0211        | 0.0000        |               | 8.0000e-005        | 8.0000e-005        |                | 8.0000e-005        | 8.0000e-005        |          | 0.0451        | 0.0451        | 1.2000e-004        |     | 0.0481        |
| <b>Total</b>          | <b>4.5182</b> | <b>1.9000e-004</b> | <b>0.0211</b> | <b>0.0000</b> |               | <b>8.0000e-005</b> | <b>8.0000e-005</b> |                | <b>8.0000e-005</b> | <b>8.0000e-005</b> |          | <b>0.0451</b> | <b>0.0451</b> | <b>1.2000e-004</b> |     | <b>0.0481</b> |

## Roxford Warehouses - Existing Uses - Los Angeles-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 | 0.5416        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Consumer Products     | 3.9746        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Landscaping           | 1.9600e-003   | 1.9000e-004        | 0.0211        | 0.0000        |               | 8.0000e-005        | 8.0000e-005        |                | 8.0000e-005        | 8.0000e-005        |          | 0.0451        | 0.0451        | 1.2000e-004        |     | 0.0481        |
| <b>Total</b>          | <b>4.5182</b> | <b>1.9000e-004</b> | <b>0.0211</b> | <b>0.0000</b> |               | <b>8.0000e-005</b> | <b>8.0000e-005</b> |                | <b>8.0000e-005</b> | <b>8.0000e-005</b> |          | <b>0.0451</b> | <b>0.0451</b> | <b>1.2000e-004</b> |     | <b>0.0481</b> |

## 7.0 Water Detail

## 7.1 Mitigation Measures Water

## Roxford Warehouses - Existing Uses - Los Angeles-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**

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**8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

**10.0 Stationary Equipment**

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**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**

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## Roxford Warehouses - Existing Uses - Los Angeles-South Coast County, Winter

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

## Roxford Warehouses - Existing Uses

## Los Angeles-South Coast County, Winter

## 1.0 Project Characteristics

## 1.1 Land Usage

| Land Uses       | Size   | Metric   | Lot Acreage | Floor Surface Area | Population |
|-----------------|--------|----------|-------------|--------------------|------------|
| Industrial Park | 182.23 | 1000sqft | 4.18        | 182,230.00         | 0          |
| Parking Lot     | 23.75  | Acre     | 23.75       | 1,034,550.00       | 0          |

## 1.2 Other Project Characteristics

|                         |                                         |                         |       |                           |       |
|-------------------------|-----------------------------------------|-------------------------|-------|---------------------------|-------|
| Urbanization            | Urban                                   | Wind Speed (m/s)        | 2.2   | Precipitation Freq (Days) | 33    |
| Climate Zone            | 12                                      |                         |       | Operational Year          | 2022  |
| Utility Company         | Los Angeles Department of Water & Power |                         |       |                           |       |
| CO2 Intensity (lb/MWhr) | 691.98                                  | CH4 Intensity (lb/MWhr) | 0.033 | N2O Intensity (lb/MWhr)   | 0.004 |

## 1.3 User Entered Comments &amp; Non-Default Data

Project Characteristics - Existing scenario only - no construction

Land Use -

Construction Phase - No construction

Off-road Equipment - No construction

| Table Name           | Column Name                | Default Value | New Value |
|----------------------|----------------------------|---------------|-----------|
| tblConstructionPhase | NumDays                    | 30.00         | 1.00      |
| tblConstructionPhase | PhaseEndDate               | 2/11/2022     | 1/3/2022  |
| tblOffRoadEquipment  | OffRoadEquipmentUnitAmount | 1.00          | 0.00      |
| tblOffRoadEquipment  | OffRoadEquipmentUnitAmount | 3.00          | 0.00      |
| tblOffRoadEquipment  | OffRoadEquipmentUnitAmount | 2.00          | 0.00      |

### 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)

[illegible][illegible][illegible]

Roxford Warehouses - Existing Uses - Los Angeles-South Coast County, Winter

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

## Roxford Warehouses - Existing Uses - Los Angeles-South Coast County, Winter

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

## 2.2 Overall Operational

Unmitigated Operational

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O           | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |               |                   |
| Area         | 4.5182        | 1.9000e-004   | 0.0211         | 0.0000        |               | 8.0000e-005   | 8.0000e-005   |                | 8.0000e-005   | 8.0000e-005   |          | 0.0451            | 0.0451            | 1.2000e-004   |               | 0.0481            |
| Energy       | 0.0555        | 0.5046        | 0.4239         | 3.0300e-003   |               | 0.0384        | 0.0384        |                | 0.0384        | 0.0384        |          | 605.5733          | 605.5733          | 0.0116        | 0.0111        | 609.1720          |
| Mobile       | 2.1315        | 2.7900        | 23.0898        | 0.0498        | 5.1416        | 0.0427        | 5.1843        | 1.3695         | 0.0398        | 1.4093        |          | 5,080.8886        | 5,080.8886        | 0.3429        | 0.2218        | 5,155.5676        |
| <b>Total</b> | <b>6.7052</b> | <b>3.2949</b> | <b>23.5348</b> | <b>0.0529</b> | <b>5.1416</b> | <b>0.0811</b> | <b>5.2228</b> | <b>1.3695</b>  | <b>0.0782</b> | <b>1.4478</b> |          | <b>5,686.5070</b> | <b>5,686.5070</b> | <b>0.3547</b> | <b>0.2329</b> | <b>5,764.7876</b> |

Mitigated Operational

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O           | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |               |                   |
| Area         | 4.5182        | 1.9000e-004   | 0.0211         | 0.0000        |               | 8.0000e-005   | 8.0000e-005   |                | 8.0000e-005   | 8.0000e-005   |          | 0.0451            | 0.0451            | 1.2000e-004   |               | 0.0481            |
| Energy       | 0.0555        | 0.5046        | 0.4239         | 3.0300e-003   |               | 0.0384        | 0.0384        |                | 0.0384        | 0.0384        |          | 605.5733          | 605.5733          | 0.0116        | 0.0111        | 609.1720          |
| Mobile       | 2.1315        | 2.7900        | 23.0898        | 0.0498        | 5.1416        | 0.0427        | 5.1843        | 1.3695         | 0.0398        | 1.4093        |          | 5,080.8886        | 5,080.8886        | 0.3429        | 0.2218        | 5,155.5676        |
| <b>Total</b> | <b>6.7052</b> | <b>3.2949</b> | <b>23.5348</b> | <b>0.0529</b> | <b>5.1416</b> | <b>0.0811</b> | <b>5.2228</b> | <b>1.3695</b>  | <b>0.0782</b> | <b>1.4478</b> |          | <b>5,686.5070</b> | <b>5,686.5070</b> | <b>0.3547</b> | <b>0.2329</b> | <b>5,764.7876</b> |

## Roxford Warehouses - Existing Uses - Los Angeles-South Coast County, Winter

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

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

## 3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|------------|------------|------------|----------|---------------|----------|-------------------|
| 1            | Demolition | Demolition | 1/1/2022   | 1/3/2022 | 5             | 1        |                   |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 23.75

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type   | Amount | Usage Hours | Horse Power | Load Factor |
|------------|--------------------------|--------|-------------|-------------|-------------|
| Demolition | Concrete/Industrial Saws | 0      | 8.00        | 81          | 0.73        |
| Demolition | Excavators               | 0      | 8.00        | 158         | 0.38        |
| Demolition | Rubber Tired Dozers      | 0      | 8.00        | 247         | 0.40        |

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 | 0                       | 0.00               | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

## 3.1 Mitigation Measures Construction

## Roxford Warehouses - Existing Uses - Los Angeles-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 - 2022

Unmitigated Construction On-Site

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2     | Total CO2     | CH4           | N2O | CO2e          |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|---------------|---------------|---------------|-----|---------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |               |               |               |     |               |
| Off-Road     | 0.0000        | 0.0000        | 0.0000        | 0.0000        |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000        | 0.0000        | 0.0000        |     | 0.0000        |
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |               | <b>0.0000</b> | <b>0.0000</b> |                | <b>0.0000</b> | <b>0.0000</b> |          | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |     | <b>0.0000</b> |

Unmitigated Construction Off-Site

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

## Roxford Warehouses - Existing Uses - Los Angeles-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 - 2022

Mitigated Construction On-Site

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2     | Total CO2     | CH4           | N2O | CO2e          |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|-----|---------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day        |               |               |               |     |               |
| Off-Road     | 0.0000        | 0.0000        | 0.0000        | 0.0000        |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |     | 0.0000        |
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |               | <b>0.0000</b> | <b>0.0000</b> |                | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |     | <b>0.0000</b> |

Mitigated Construction Off-Site

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

## 4.0 Operational Detail - Mobile

## Roxford Warehouses - Existing Uses - Los Angeles-South Coast County, Winter

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

## 4.1 Mitigation Measures Mobile

|             | ROG    | NOx    | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 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   | 2.1315 | 2.7900 | 23.0898 | 0.0498 | 5.1416        | 0.0427       | 5.1843     | 1.3695         | 0.0398        | 1.4093      |          | 5,080.8886 | 5,080.8886 | 0.3429 | 0.2218 | 5,155.5676 |
| Unmitigated | 2.1315 | 2.7900 | 23.0898 | 0.0498 | 5.1416        | 0.0427       | 5.1843     | 1.3695         | 0.0398        | 1.4093      |          | 5,080.8886 | 5,080.8886 | 0.3429 | 0.2218 | 5,155.5676 |

## 4.2 Trip Summary Information

|                 | Average Daily Trip Rate |          |        | Unmitigated | Mitigated  |
|-----------------|-------------------------|----------|--------|-------------|------------|
| Land Use        | Weekday                 | Saturday | Sunday | Annual VMT  | Annual VMT |
| Industrial Park | 614.12                  | 462.86   | 225.97 | 2,135,818   | 2,135,818  |
| Parking Lot     | 0.00                    | 0.00     | 0.00   |             |            |
| Total           | 614.12                  | 462.86   | 225.97 | 2,135,818   | 2,135,818  |

## 4.3 Trip Type Information

|                 | Miles      |            |             | Trip %     |            |             | Trip Purpose % |          |         |
|-----------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
| Land Use        | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary        | Diverted | Pass-by |
| Industrial Park | 16.60      | 8.40       | 6.90        | 59.00      | 28.00      | 13.00       | 79             | 19       | 2       |
| Parking Lot     | 16.60      | 8.40       | 6.90        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |

## 4.4 Fleet Mix

| Land Use        | LDA      | LDT1     | LDT2     | MDV      | LHD1     | LHD2     | MHD      | HHD      | OBUS     | UBUS     | MCY      | SBUS     | MH       |
|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Industrial Park | 0.546774 | 0.061880 | 0.186704 | 0.127505 | 0.022909 | 0.005912 | 0.010702 | 0.008032 | 0.000940 | 0.000617 | 0.023937 | 0.000692 | 0.003397 |

## Roxford Warehouses - Existing Uses - Los Angeles-South Coast County, Winter

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

|             |          |          |          |          |          |          |          |          |          |          |          |          |          |
|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Parking Lot | 0.546774 | 0.061880 | 0.186704 | 0.127505 | 0.022909 | 0.005912 | 0.010702 | 0.008032 | 0.000940 | 0.000617 | 0.023937 | 0.000692 | 0.003397 |
|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|

## 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   | 0.0555 | 0.5046 | 0.4239 | 3.0300e-003 |               | 0.0384       | 0.0384     |                | 0.0384        | 0.0384      |          | 605.5733  | 605.5733  | 0.0116 | 0.0111 | 609.1720 |
| NaturalGas Unmitigated | 0.0555 | 0.5046 | 0.4239 | 3.0300e-003 |               | 0.0384       | 0.0384     |                | 0.0384        | 0.0384      |          | 605.5733  | 605.5733  | 0.0116 | 0.0111 | 609.1720 |

## Roxford Warehouses - Existing Uses - Los Angeles-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   |                 |                 |               |               |                 |
| Industrial Park | 5147.37        | 0.0555        | 0.5046        | 0.4239        | 3.0300e-003        |               | 0.0384        | 0.0384        |                | 0.0384        | 0.0384        |          | 605.5733        | 605.5733        | 0.0116        | 0.0111        | 609.1720        |
| 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          |
| <b>Total</b>    |                | <b>0.0555</b> | <b>0.5046</b> | <b>0.4239</b> | <b>3.0300e-003</b> |               | <b>0.0384</b> | <b>0.0384</b> |                | <b>0.0384</b> | <b>0.0384</b> |          | <b>605.5733</b> | <b>605.5733</b> | <b>0.0116</b> | <b>0.0111</b> | <b>609.1720</b> |

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   |                 |                 |               |               |                 |
| Industrial Park | 5.14737        | 0.0555        | 0.5046        | 0.4239        | 3.0300e-003        |               | 0.0384        | 0.0384        |                | 0.0384        | 0.0384        |          | 605.5733        | 605.5733        | 0.0116        | 0.0111        | 609.1720        |
| 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          |
| <b>Total</b>    |                | <b>0.0555</b> | <b>0.5046</b> | <b>0.4239</b> | <b>3.0300e-003</b> |               | <b>0.0384</b> | <b>0.0384</b> |                | <b>0.0384</b> | <b>0.0384</b> |          | <b>605.5733</b> | <b>605.5733</b> | <b>0.0116</b> | <b>0.0111</b> | <b>609.1720</b> |

## 6.0 Area Detail

## Roxford Warehouses - Existing Uses - Los Angeles-South Coast County, Winter

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

## 6.1 Mitigation Measures Area

|             | ROG    | NOx         | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O | CO2e   |
|-------------|--------|-------------|--------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category    | lb/day |             |        |        |               |              |             |                |               |             | lb/day   |           |           |             |     |        |
| Mitigated   | 4.5182 | 1.9000e-004 | 0.0211 | 0.0000 |               | 8.0000e-005  | 8.0000e-005 |                | 8.0000e-005   | 8.0000e-005 |          | 0.0451    | 0.0451    | 1.2000e-004 |     | 0.0481 |
| Unmitigated | 4.5182 | 1.9000e-004 | 0.0211 | 0.0000 |               | 8.0000e-005  | 8.0000e-005 |                | 8.0000e-005   | 8.0000e-005 |          | 0.0451    | 0.0451    | 1.2000e-004 |     | 0.0481 |

## 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 | 0.5416        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Consumer Products     | 3.9746        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Landscaping           | 1.9600e-003   | 1.9000e-004        | 0.0211        | 0.0000        |               | 8.0000e-005        | 8.0000e-005        |                | 8.0000e-005        | 8.0000e-005        |          | 0.0451        | 0.0451        | 1.2000e-004        |     | 0.0481        |
| <b>Total</b>          | <b>4.5182</b> | <b>1.9000e-004</b> | <b>0.0211</b> | <b>0.0000</b> |               | <b>8.0000e-005</b> | <b>8.0000e-005</b> |                | <b>8.0000e-005</b> | <b>8.0000e-005</b> |          | <b>0.0451</b> | <b>0.0451</b> | <b>1.2000e-004</b> |     | <b>0.0481</b> |

## Roxford Warehouses - Existing Uses - Los Angeles-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 | 0.5416        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Consumer Products     | 3.9746        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Landscaping           | 1.9600e-003   | 1.9000e-004        | 0.0211        | 0.0000        |               | 8.0000e-005        | 8.0000e-005        |                | 8.0000e-005        | 8.0000e-005        |          | 0.0451        | 0.0451        | 1.2000e-004        |     | 0.0481        |
| <b>Total</b>          | <b>4.5182</b> | <b>1.9000e-004</b> | <b>0.0211</b> | <b>0.0000</b> |               | <b>8.0000e-005</b> | <b>8.0000e-005</b> |                | <b>8.0000e-005</b> | <b>8.0000e-005</b> |          | <b>0.0451</b> | <b>0.0451</b> | <b>1.2000e-004</b> |     | <b>0.0481</b> |

## 7.0 Water Detail

## 7.1 Mitigation Measures Water

## Roxford Warehouses - Existing Uses - Los Angeles-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**

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**8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

**10.0 Stationary Equipment**

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**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**

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Grading - Applicant info.

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

Area Mitigation - Per SCAQMD Rule 1113.

| Table Name              | Column Name                               | Default Value | New Value |
|-------------------------|-------------------------------------------|---------------|-----------|
| tblArchitecturalCoating | EF_Nonresidential_Exterior                | 100.00        | 50.00     |
| tblArchitecturalCoating | EF_Nonresidential_Interior                | 100.00        | 50.00     |
| tblAreaCoating          | Area_EF_Nonresidential_Exterior           | 100           | 50        |
| tblAreaCoating          | Area_EF_Nonresidential_Interior           | 100           | 50        |
| tblAreaMitigation       | UseLowVOCPaintNonresidentialExteriorValue | 100           | 50        |
| tblAreaMitigation       | UseLowVOCPaintNonresidentialInteriorValue | 100           | 50        |
| tblConstDustMitigation  | CleanPavedRoadPercentReduction            | 0             | 80        |
| tblConstEquipMitigation | NumberOfEquipmentMitigated                | 0.00          | 4.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated                | 0.00          | 7.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated                | 0.00          | 1.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated                | 0.00          | 3.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated                | 0.00          | 1.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated                | 0.00          | 2.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated                | 0.00          | 4.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated                | 0.00          | 7.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated                | 0.00          | 2.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated                | 0.00          | 2.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated                | 0.00          | 2.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated                | 0.00          | 2.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated                | 0.00          | 2.00      |

## Roxford Warehouses Project - Los Angeles-South Coast County, Summer

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

|                         |                            |           |              |
|-------------------------|----------------------------|-----------|--------------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00      | 4.00         |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00      | 5.00         |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00      | 2.00         |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00      | 2.00         |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstructionPhase    | NumDays                    | 440.00    | 348.00       |
| tblConstructionPhase    | NumDays                    | 30.00     | 42.00        |
| tblConstructionPhase    | NumDays                    | 35.00     | 66.00        |
| tblConstructionPhase    | NumDays                    | 35.00     | 23.00        |
| tblConstructionPhase    | NumDays                    | 45.00     | 43.00        |
| tblConstructionPhase    | PhaseEndDate               | 2/10/2023 | 2/28/2023    |
| tblConstructionPhase    | PhaseEndDate               | 4/14/2023 | 4/28/2023    |
| tblConstructionPhase    | PhaseStartDate             | 2/11/2023 | 3/1/2023     |

## Roxford Warehouses Project - Los Angeles-South Coast County, Summer

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

|                     |                      |            |                           |
|---------------------|----------------------|------------|---------------------------|
| tblGrading          | AcresOfGrading       | 150.50     | 140.00                    |
| tblGrading          | MaterialExported     | 0.00       | 100,000.00                |
| tblLandUse          | LandUseSquareFeet    | 164,000.00 | 603,306.00                |
| tblLandUse          | LotAcreage           | 13.33      | 14.08                     |
| tblLandUse          | LotAcreage           | 0.75       | 0.00                      |
| tblLandUse          | LotAcreage           | 3.69       | 13.85                     |
| tblOffRoadEquipment | LoadFactor           | 0.43       | 0.43                      |
| tblOffRoadEquipment | LoadFactor           | 0.36       | 0.36                      |
| tblOffRoadEquipment | LoadFactor           | 0.43       | 0.43                      |
| tblOffRoadEquipment | LoadFactor           | 0.38       | 0.38                      |
| tblOffRoadEquipment | LoadFactor           | 0.38       | 0.38                      |
| tblOffRoadEquipment | LoadFactor           | 0.37       | 0.37                      |
| tblOffRoadEquipment | LoadFactor           | 0.40       | 0.40                      |
| tblOffRoadEquipment | LoadFactor           | 0.29       | 0.29                      |
| tblOffRoadEquipment | LoadFactor           | 0.40       | 0.40                      |
| tblOffRoadEquipment | LoadFactor           | 0.31       | 0.31                      |
| tblOffRoadEquipment | LoadFactor           | 0.37       | 0.37                      |
| tblOffRoadEquipment | OffRoadEquipmentType |            | Crawler Tractors          |
| tblOffRoadEquipment | OffRoadEquipmentType |            | Rubber Tired Loaders      |
| tblOffRoadEquipment | OffRoadEquipmentType |            | Crawler Tractors          |
| tblOffRoadEquipment | OffRoadEquipmentType |            | Rollers                   |
| tblOffRoadEquipment | OffRoadEquipmentType |            | Excavators                |
| tblOffRoadEquipment | OffRoadEquipmentType |            | Tractors/Loaders/Backhoes |
| tblOffRoadEquipment | OffRoadEquipmentType |            | Rough Terrain Forklifts   |
| tblOffRoadEquipment | OffRoadEquipmentType |            | Cranes                    |
| tblOffRoadEquipment | OffRoadEquipmentType |            | Rough Terrain Forklifts   |
| tblOffRoadEquipment | OffRoadEquipmentType |            | Aerial Lifts              |
| tblOffRoadEquipment | OffRoadEquipmentType |            | Air Compressors           |
| tblOffRoadEquipment | OffRoadEquipmentType |            | Skid Steer Loaders        |

## Roxford Warehouses Project - Los Angeles-South Coast County, Summer

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

|                     |                            |       |           |
|---------------------|----------------------------|-------|-----------|
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00  | 0.00      |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00  | 0.00      |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00  | 2.00      |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00  | 2.00      |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00  | 0.00      |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00  | 2.00      |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00  | 2.00      |
| tblOffRoadEquipment | UsageHours                 | 7.00  | 8.00      |
| tblTripsAndVMT      | HaulingTripLength          | 20.00 | 5.00      |
| tblTripsAndVMT      | HaulingTripLength          | 20.00 | 5.00      |
| tblTripsAndVMT      | PhaseName                  |       | Trenching |
| tblTripsAndVMT      | VendorTripNumber           | 0.00  | 10.00     |
| tblTripsAndVMT      | VendorTripNumber           | 0.00  | 10.00     |
| tblVehicleTrips     | DV_TP                      | 19.00 | 0.00      |
| tblVehicleTrips     | DV_TP                      | 5.00  | 0.00      |
| tblVehicleTrips     | PB_TP                      | 4.00  | 0.00      |
| tblVehicleTrips     | PB_TP                      | 3.00  | 0.00      |
| tblVehicleTrips     | PR_TP                      | 77.00 | 100.00    |
| tblVehicleTrips     | PR_TP                      | 92.00 | 100.00    |
| tblVehicleTrips     | ST_TR                      | 2.21  | 10.85     |
| tblVehicleTrips     | ST_TR                      | 1.74  | 1.81      |
| tblVehicleTrips     | SU_TR                      | 0.70  | 10.85     |
| tblVehicleTrips     | SU_TR                      | 1.74  | 1.81      |
| tblVehicleTrips     | WD_TR                      | 9.74  | 10.85     |
| tblVehicleTrips     | WD_TR                      | 1.74  | 1.81      |

**2.0 Emissions Summary**

## Roxford Warehouses Project - Los Angeles-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied****2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

|         | ROG     | NOx     | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2       | Total CO2       | CH4    | N2O    | CO2e            |
|---------|---------|---------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------------|-----------------|--------|--------|-----------------|
| Year    | lb/day  |         |         |        |               |              |            |                |               |             | lb/day   |                 |                 |        |        |                 |
| 2023    | 4.9744  | 54.6425 | 55.4360 | 0.1470 | 6.9529        | 1.7407       | 8.2527     | 1.8729         | 1.6038        | 3.1145      | 0.0000   | 14,716.60<br>23 | 14,716.60<br>23 | 2.6169 | 0.8731 | 14,958.65<br>51 |
| 2024    | 50.9705 | 38.3345 | 60.9761 | 0.1607 | 8.0931        | 1.2868       | 9.3798     | 2.1753         | 1.2333        | 3.4086      | 0.0000   | 16,067.08<br>53 | 16,067.08<br>53 | 1.4876 | 0.6959 | 16,311.66<br>51 |
| Maximum | 50.9705 | 54.6425 | 60.9761 | 0.1607 | 8.0931        | 1.7407       | 9.3798     | 2.1753         | 1.6038        | 3.4086      | 0.0000   | 16,067.08<br>53 | 16,067.08<br>53 | 2.6169 | 0.8731 | 16,311.66<br>51 |

**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   |                 |                 |        |        |                 |
| 2023    | 2.6045  | 17.8099 | 59.0617 | 0.1470 | 2.2776        | 0.1876       | 2.4388     | 0.7253         | 0.1847        | 0.8821      | 0.0000   | 14,716.60<br>23 | 14,716.60<br>23 | 2.6169 | 0.8731 | 14,958.65<br>51 |
| 2024    | 48.4755 | 15.5235 | 64.7897 | 0.1607 | 2.6248        | 0.1745       | 2.7992     | 0.8331         | 0.1697        | 1.0028      | 0.0000   | 16,067.08<br>53 | 16,067.08<br>53 | 1.4876 | 0.6959 | 16,311.66<br>51 |
| Maximum | 48.4755 | 17.8099 | 64.7897 | 0.1607 | 2.6248        | 0.1876       | 2.7992     | 0.8331         | 0.1847        | 1.0028      | 0.0000   | 16,067.08<br>53 | 16,067.08<br>53 | 2.6169 | 0.8731 | 16,311.66<br>51 |

## Roxford Warehouses Project - Los Angeles-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 | 8.70 | 64.15 | -6.39 | 0.00 | 67.42         | 88.04        | 70.29      | 61.50          | 87.51         | 71.10       | 0.00     | 0.00     | 0.00      | 0.00 | 0.00 | 0.00 |

## Roxford Warehouses Project - Los Angeles-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         | 13.1953        | 9.5000e-004   | 0.1043         | 1.0000e-005   |                | 3.7000e-004   | 3.7000e-004    |                | 3.7000e-004   | 3.7000e-004   |          | 0.2240             | 0.2240             | 5.8000e-004   |               | 0.2386             |
| Energy       | 0.0248         | 0.2250        | 0.1890         | 1.3500e-003   |                | 0.0171        | 0.0171         |                | 0.0171        | 0.0171        |          | 270.0290           | 270.0290           | 5.1800e-003   | 4.9500e-003   | 271.6337           |
| Mobile       | 4.9199         | 5.3392        | 54.3733        | 0.1250        | 13.1201        | 0.0873        | 13.2075        | 3.4948         | 0.0811        | 3.5759        |          | 12,738.8072        | 12,738.8072        | 0.7864        | 0.4883        | 12,903.9861        |
| <b>Total</b> | <b>18.1400</b> | <b>5.5652</b> | <b>54.6666</b> | <b>0.1263</b> | <b>13.1201</b> | <b>0.1048</b> | <b>13.2249</b> | <b>3.4948</b>  | <b>0.0986</b> | <b>3.5934</b> |          | <b>13,009.0602</b> | <b>13,009.0602</b> | <b>0.7921</b> | <b>0.4933</b> | <b>13,175.8584</b> |

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         | 13.1953        | 9.5000e-004   | 0.1043         | 1.0000e-005   |                | 3.7000e-004   | 3.7000e-004    |                | 3.7000e-004   | 3.7000e-004   |          | 0.2240             | 0.2240             | 5.8000e-004   |               | 0.2386             |
| Energy       | 0.0248         | 0.2250        | 0.1890         | 1.3500e-003   |                | 0.0171        | 0.0171         |                | 0.0171        | 0.0171        |          | 270.0290           | 270.0290           | 5.1800e-003   | 4.9500e-003   | 271.6337           |
| Mobile       | 4.9199         | 5.3392        | 54.3733        | 0.1250        | 13.1201        | 0.0873        | 13.2075        | 3.4948         | 0.0811        | 3.5759        |          | 12,738.8072        | 12,738.8072        | 0.7864        | 0.4883        | 12,903.9861        |
| <b>Total</b> | <b>18.1400</b> | <b>5.5652</b> | <b>54.6666</b> | <b>0.1263</b> | <b>13.1201</b> | <b>0.1048</b> | <b>13.2249</b> | <b>3.4948</b>  | <b>0.0986</b> | <b>3.5934</b> |          | <b>13,009.0602</b> | <b>13,009.0602</b> | <b>0.7921</b> | <b>0.4933</b> | <b>13,175.8584</b> |

## Roxford Warehouses Project - Los Angeles-South Coast County, Summer

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

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

**3.0 Construction Detail****Construction Phase**

| Phase Number | Phase Name            | Phase Type            | Start Date | End Date   | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1            | Demolition            | Demolition            | 1/1/2023   | 2/28/2023  | 5             | 42       |                   |
| 2            | Grading               | Grading               | 3/1/2023   | 4/28/2023  | 5             | 43       |                   |
| 3            | Trenching             | Trenching             | 5/1/2023   | 5/31/2023  | 5             | 23       |                   |
| 4            | Building Construction | Building Construction | 6/1/2023   | 9/30/2024  | 5             | 348      |                   |
| 5            | Architectural Coating | Architectural Coating | 8/1/2024   | 10/31/2024 | 5             | 66       |                   |
| 6            | Paving                | Paving                | 10/1/2024  | 10/31/2024 | 5             | 23       |                   |

**Acres of Grading (Site Preparation Phase): 0****Acres of Grading (Grading Phase): 140****Acres of Paving: 13.85****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 920,228; Non-Residential Outdoor: 306,743; Striped Parking Area: 36,198 (Architectural Coating – sqft)****OffRoad Equipment**

| Phase Name | Offroad Equipment Type   | Amount | Usage Hours | Horse Power | Load Factor |
|------------|--------------------------|--------|-------------|-------------|-------------|
| Demolition | Crawler Tractors         | 2      | 8.00        | 212         | 0.43        |
| Demolition | Concrete/Industrial Saws | 1      | 8.00        | 81          | 0.73        |
| Demolition | Rubber Tired Loaders     | 2      | 8.00        | 203         | 0.36        |
| Demolition | Excavators               | 3      | 8.00        | 158         | 0.38        |
| Grading    | Excavators               | 2      | 8.00        | 158         | 0.38        |

## Roxford Warehouses Project - Los Angeles-South Coast County, Summer

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

|                       |                           |   |      |     |      |
|-----------------------|---------------------------|---|------|-----|------|
| Grading               | Crawler Tractors          | 2 | 8.00 | 212 | 0.43 |
| Grading               | Rollers                   | 2 | 8.00 | 80  | 0.38 |
| Grading               | Graders                   | 1 | 8.00 | 187 | 0.41 |
| Trenching             | Excavators                | 2 | 8.00 | 158 | 0.38 |
| Trenching             | Tractors/Loaders/Backhoes | 2 | 8.00 | 97  | 0.37 |
| Trenching             | Rough Terrain Forklifts   | 2 | 8.00 | 100 | 0.40 |
| Demolition            | Rubber Tired Dozers       | 0 | 8.00 | 247 | 0.40 |
| Grading               | Rubber Tired Dozers       | 0 | 8.00 | 247 | 0.40 |
| Architectural Coating | Air Compressors           | 2 | 6.00 | 78  | 0.48 |
| Grading               | Scrapers                  | 2 | 8.00 | 367 | 0.48 |
| Trenching             | Cranes                    | 1 | 8.00 | 231 | 0.29 |
| Grading               | Tractors/Loaders/Backhoes | 2 | 8.00 | 97  | 0.37 |
| Building Construction | Cranes                    | 2 | 8.00 | 231 | 0.29 |
| Building Construction | Rough Terrain Forklifts   | 3 | 8.00 | 100 | 0.40 |
| Building Construction | Forklifts                 | 0 | 8.00 | 89  | 0.20 |
| Building Construction | Generator Sets            | 2 | 8.00 | 84  | 0.74 |
| 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 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97  | 0.37 |
| Building Construction | Welders                   | 2 | 8.00 | 46  | 0.45 |
| Building Construction | Aerial Lifts              | 2 | 8.00 | 63  | 0.31 |
| Building Construction | Air Compressors           | 2 | 8.00 | 78  | 0.48 |
| Paving                | Skid Steer Loaders        | 2 | 8.00 | 65  | 0.37 |

**Trips and VMT**

## Roxford Warehouses Project - Los Angeles-South Coast County, Summer

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

| 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            | 8                       | 20.00              | 10.00              | 829.00              | 14.70              | 6.90               | 5.00                | LD_Mix               | HDT_Mix              | HHDT                  |
| Architectural Coating | 2                       | 102.00             | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Grading               | 11                      | 28.00              | 10.00              | 12,500.00           | 14.70              | 6.90               | 5.00                | LD_Mix               | HDT_Mix              | HHDT                  |
| Trenching             | 7                       | 18.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction | 16                      | 508.00             | 199.00             | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving                | 8                       | 20.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Clean Paved Roads

**3.2 Demolition - 2023****Unmitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                        |                        |               |     |                        |
| Fugitive Dust |               |                |                |               | 4.2709        | 0.0000        | 4.2709        | 0.6467         | 0.0000        | 0.6467        |          |                        | 0.0000                 |               |     | 0.0000                 |
| Off-Road      | 2.3293        | 22.7866        | 20.9401        | 0.0500        |               | 0.9307        | 0.9307        |                | 0.8665        | 0.8665        |          | 4,822.471<br>7         | 4,822.471<br>7         | 1.3972        |     | 4,857.401<br>9         |
| <b>Total</b>  | <b>2.3293</b> | <b>22.7866</b> | <b>20.9401</b> | <b>0.0500</b> | <b>4.2709</b> | <b>0.9307</b> | <b>5.2017</b> | <b>0.6467</b>  | <b>0.8665</b> | <b>1.5132</b> |          | <b>4,822.471<br/>7</b> | <b>4,822.471<br/>7</b> | <b>1.3972</b> |     | <b>4,857.401<br/>9</b> |

## Roxford Warehouses Project - Los Angeles-South Coast County, Summer

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

## 3.2 Demolition - 2023

Unmitigated Construction Off-Site

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|---------------|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |               |               |                 |
| Hauling      | 0.0267        | 0.9104        | 0.3925        | 3.2700e-003        | 0.0867        | 4.2100e-003        | 0.0909        | 0.0238         | 4.0300e-003        | 0.0278        |          | 358.4506        | 358.4506        | 0.0187        | 0.0569        | 375.8708        |
| Vendor       | 0.0115        | 0.3838        | 0.1487        | 1.8600e-003        | 0.0641        | 1.9300e-003        | 0.0660        | 0.0184         | 1.8500e-003        | 0.0203        |          | 200.2825        | 200.2825        | 6.7100e-003   | 0.0288        | 209.0311        |
| Worker       | 0.0640        | 0.0446        | 0.7228        | 1.9800e-003        | 0.2236        | 1.3400e-003        | 0.2249        | 0.0593         | 1.2400e-003        | 0.0605        |          | 200.0151        | 200.0151        | 5.0400e-003   | 4.6200e-003   | 201.5167        |
| <b>Total</b> | <b>0.1022</b> | <b>1.3388</b> | <b>1.2640</b> | <b>7.1100e-003</b> | <b>0.3743</b> | <b>7.4800e-003</b> | <b>0.3818</b> | <b>0.1015</b>  | <b>7.1200e-003</b> | <b>0.1087</b> |          | <b>758.7481</b> | <b>758.7481</b> | <b>0.0304</b> | <b>0.0903</b> | <b>786.4186</b> |

Mitigated Construction On-Site

|               | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |               |                |               | 1.6657        | 0.0000        | 1.6657        | 0.2522         | 0.0000        | 0.2522        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 0.6010        | 2.6044        | 28.3668        | 0.0500        |               | 0.0801        | 0.0801        |                | 0.0801        | 0.0801        | 0.0000        | 4,822.4717        | 4,822.4717        | 1.3972        |     | 4,857.4019        |
| <b>Total</b>  | <b>0.6010</b> | <b>2.6044</b> | <b>28.3668</b> | <b>0.0500</b> | <b>1.6657</b> | <b>0.0801</b> | <b>1.7458</b> | <b>0.2522</b>  | <b>0.0801</b> | <b>0.3323</b> | <b>0.0000</b> | <b>4,822.4717</b> | <b>4,822.4717</b> | <b>1.3972</b> |     | <b>4,857.4019</b> |

## Roxford Warehouses Project - Los Angeles-South Coast County, Summer

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

## 3.2 Demolition - 2023

Mitigated Construction Off-Site

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|---------------|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |               |               |                 |
| Hauling      | 0.0267        | 0.9104        | 0.3925        | 3.2700e-003        | 0.0345        | 4.2100e-003        | 0.0387        | 0.0110         | 4.0300e-003        | 0.0150        |          | 358.4506        | 358.4506        | 0.0187        | 0.0569        | 375.8708        |
| Vendor       | 0.0115        | 0.3838        | 0.1487        | 1.8600e-003        | 0.0276        | 1.9300e-003        | 0.0295        | 9.4900e-003    | 1.8500e-003        | 0.0113        |          | 200.2825        | 200.2825        | 6.7100e-003   | 0.0288        | 209.0311        |
| Worker       | 0.0640        | 0.0446        | 0.7228        | 1.9800e-003        | 0.0681        | 1.3400e-003        | 0.0694        | 0.0211         | 1.2400e-003        | 0.0224        |          | 200.0151        | 200.0151        | 5.0400e-003   | 4.6200e-003   | 201.5167        |
| <b>Total</b> | <b>0.1022</b> | <b>1.3388</b> | <b>1.2640</b> | <b>7.1100e-003</b> | <b>0.1301</b> | <b>7.4800e-003</b> | <b>0.1376</b> | <b>0.0416</b>  | <b>7.1200e-003</b> | <b>0.0487</b> |          | <b>758.7481</b> | <b>758.7481</b> | <b>0.0304</b> | <b>0.0903</b> | <b>786.4186</b> |

## 3.3 Grading - 2023

Unmitigated Construction On-Site

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 3.7158        | 0.0000        | 3.7158        | 0.4127         | 0.0000        | 0.4127        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 3.8265        | 40.7886        | 33.0773        | 0.0744        |               | 1.6749        | 1.6749        |                | 1.5409        | 1.5409        |          | 7,198.5840        | 7,198.5840        | 2.3282        |     | 7,256.7882        |
| <b>Total</b>  | <b>3.8265</b> | <b>40.7886</b> | <b>33.0773</b> | <b>0.0744</b> | <b>3.7158</b> | <b>1.6749</b> | <b>5.3907</b> | <b>0.4127</b>  | <b>1.5409</b> | <b>1.9535</b> |          | <b>7,198.5840</b> | <b>7,198.5840</b> | <b>2.3282</b> |     | <b>7,256.7882</b> |

## Roxford Warehouses Project - Los Angeles-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 Grading - 2023

Unmitigated Construction Off-Site

|              | ROG           | NOx            | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O           | CO2e                   |
|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|---------------|------------------------|
| Category     | lb/day        |                |               |               |               |               |               |                |               |               | lb/day   |                        |                        |               |               |                        |
| Hauling      | 0.3927        | 13.4076        | 5.7802        | 0.0481        | 1.2768        | 0.0620        | 1.3388        | 0.3505         | 0.0594        | 0.4098        |          | 5,279.169<br>7         | 5,279.169<br>7         | 0.2749        | 0.8379        | 5,535.730<br>6         |
| Vendor       | 0.0115        | 0.3838         | 0.1487        | 1.8600e-003   | 0.0641        | 1.9300e-003   | 0.0660        | 0.0184         | 1.8500e-003   | 0.0203        |          | 200.2825               | 200.2825               | 6.7100e-003   | 0.0288        | 209.0311               |
| Worker       | 0.0896        | 0.0625         | 1.0119        | 2.7700e-003   | 0.3130        | 1.8800e-003   | 0.3149        | 0.0830         | 1.7300e-003   | 0.0847        |          | 280.0211               | 280.0211               | 7.0600e-003   | 6.4600e-003   | 282.1234               |
| <b>Total</b> | <b>0.4938</b> | <b>13.8539</b> | <b>6.9408</b> | <b>0.0528</b> | <b>1.6538</b> | <b>0.0659</b> | <b>1.7196</b> | <b>0.4519</b>  | <b>0.0629</b> | <b>0.5149</b> |          | <b>5,759.473<br/>3</b> | <b>5,759.473<br/>3</b> | <b>0.2887</b> | <b>0.8731</b> | <b>6,026.885<br/>1</b> |

Mitigated Construction On-Site

|               | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category      | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                        |                        |               |     |                        |
| Fugitive Dust |               |               |                |               | 1.4492        | 0.0000        | 1.4492        | 0.1609         | 0.0000        | 0.1609        |               |                        | 0.0000                 |               |     | 0.0000                 |
| Off-Road      | 0.9129        | 3.9560        | 40.1376        | 0.0744        |               | 0.1217        | 0.1217        |                | 0.1217        | 0.1217        | 0.0000        | 7,198.584<br>0         | 7,198.584<br>0         | 2.3282        |     | 7,256.788<br>2         |
| <b>Total</b>  | <b>0.9129</b> | <b>3.9560</b> | <b>40.1376</b> | <b>0.0744</b> | <b>1.4492</b> | <b>0.1217</b> | <b>1.5709</b> | <b>0.1609</b>  | <b>0.1217</b> | <b>0.2827</b> | <b>0.0000</b> | <b>7,198.584<br/>0</b> | <b>7,198.584<br/>0</b> | <b>2.3282</b> |     | <b>7,256.788<br/>2</b> |

## Roxford Warehouses Project - Los Angeles-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 Grading - 2023

Mitigated Construction Off-Site

|              | ROG           | NOx            | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O           | CO2e                   |
|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|---------------|------------------------|
| Category     | lb/day        |                |               |               |               |               |               |                |               |               | lb/day   |                        |                        |               |               |                        |
| Hauling      | 0.3927        | 13.4076        | 5.7802        | 0.0481        | 0.5081        | 0.0620        | 0.5701        | 0.1618         | 0.0594        | 0.2211        |          | 5,279.169<br>7         | 5,279.169<br>7         | 0.2749        | 0.8379        | 5,535.730<br>6         |
| Vendor       | 0.0115        | 0.3838         | 0.1487        | 1.8600e-003   | 0.0276        | 1.9300e-003   | 0.0295        | 9.4900e-003    | 1.8500e-003   | 0.0113        |          | 200.2825               | 200.2825               | 6.7100e-003   | 0.0288        | 209.0311               |
| Worker       | 0.0896        | 0.0625         | 1.0119        | 2.7700e-003   | 0.0953        | 1.8800e-003   | 0.0972        | 0.0296         | 1.7300e-003   | 0.0313        |          | 280.0211               | 280.0211               | 7.0600e-003   | 6.4600e-003   | 282.1234               |
| <b>Total</b> | <b>0.4938</b> | <b>13.8539</b> | <b>6.9408</b> | <b>0.0528</b> | <b>0.6310</b> | <b>0.0659</b> | <b>0.6968</b> | <b>0.2009</b>  | <b>0.0629</b> | <b>0.2638</b> |          | <b>5,759.473<br/>3</b> | <b>5,759.473<br/>3</b> | <b>0.2887</b> | <b>0.8731</b> | <b>6,026.885<br/>1</b> |

## 3.4 Trenching - 2023

Unmitigated Construction On-Site

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                        |                        |               |     |                        |
| Off-Road     | 1.2424        | 12.7749        | 17.4125        | 0.0293        |               | 0.5520        | 0.5520        |                | 0.5079        | 0.5079        |          | 2,832.023<br>1         | 2,832.023<br>1         | 0.9159        |     | 2,854.921<br>4         |
| <b>Total</b> | <b>1.2424</b> | <b>12.7749</b> | <b>17.4125</b> | <b>0.0293</b> |               | <b>0.5520</b> | <b>0.5520</b> |                | <b>0.5079</b> | <b>0.5079</b> |          | <b>2,832.023<br/>1</b> | <b>2,832.023<br/>1</b> | <b>0.9159</b> |     | <b>2,854.921<br/>4</b> |

## Roxford Warehouses Project - Los Angeles-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 Trenching - 2023

Unmitigated Construction Off-Site

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O                | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |                    |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             | 0.0000             | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             | 0.0000             | 0.0000          |
| Worker       | 0.0576        | 0.0402        | 0.6505        | 1.7800e-003        | 0.2012        | 1.2100e-003        | 0.2024        | 0.0534         | 1.1100e-003        | 0.0545        |          | 180.0136        | 180.0136        | 4.5400e-003        | 4.1500e-003        | 181.3650        |
| <b>Total</b> | <b>0.0576</b> | <b>0.0402</b> | <b>0.6505</b> | <b>1.7800e-003</b> | <b>0.2012</b> | <b>1.2100e-003</b> | <b>0.2024</b> | <b>0.0534</b>  | <b>1.1100e-003</b> | <b>0.0545</b> |          | <b>180.0136</b> | <b>180.0136</b> | <b>4.5400e-003</b> | <b>4.1500e-003</b> | <b>181.3650</b> |

Mitigated Construction On-Site

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 0.3589        | 1.5551        | 20.3693        | 0.0293        |               | 0.0479        | 0.0479        |                | 0.0479        | 0.0479        | 0.0000        | 2,832.0231        | 2,832.0231        | 0.9159        |     | 2,854.9214        |
| <b>Total</b> | <b>0.3589</b> | <b>1.5551</b> | <b>20.3693</b> | <b>0.0293</b> |               | <b>0.0479</b> | <b>0.0479</b> |                | <b>0.0479</b> | <b>0.0479</b> | <b>0.0000</b> | <b>2,832.0231</b> | <b>2,832.0231</b> | <b>0.9159</b> |     | <b>2,854.9214</b> |

## Roxford Warehouses Project - Los Angeles-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 Trenching - 2023

Mitigated Construction Off-Site

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O                | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |                    |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             | 0.0000             | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             | 0.0000             | 0.0000          |
| Worker       | 0.0576        | 0.0402        | 0.6505        | 1.7800e-003        | 0.0613        | 1.2100e-003        | 0.0625        | 0.0190         | 1.1100e-003        | 0.0201        |          | 180.0136        | 180.0136        | 4.5400e-003        | 4.1500e-003        | 181.3650        |
| <b>Total</b> | <b>0.0576</b> | <b>0.0402</b> | <b>0.6505</b> | <b>1.7800e-003</b> | <b>0.0613</b> | <b>1.2100e-003</b> | <b>0.0625</b> | <b>0.0190</b>  | <b>1.1100e-003</b> | <b>0.0201</b> |          | <b>180.0136</b> | <b>180.0136</b> | <b>4.5400e-003</b> | <b>4.1500e-003</b> | <b>181.3650</b> |

## 3.5 Building Construction - 2023

Unmitigated Construction On-Site

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                        |                        |               |     |                        |
| Off-Road     | 3.1196        | 28.6885        | 34.1178        | 0.0597        |               | 1.2272        | 1.2272        |                | 1.1735        | 1.1735        |          | 5,650.598<br>1         | 5,650.598<br>1         | 1.1926        |     | 5,680.412<br>2         |
| <b>Total</b> | <b>3.1196</b> | <b>28.6885</b> | <b>34.1178</b> | <b>0.0597</b> |               | <b>1.2272</b> | <b>1.2272</b> |                | <b>1.1735</b> | <b>1.1735</b> |          | <b>5,650.598<br/>1</b> | <b>5,650.598<br/>1</b> | <b>1.1926</b> |     | <b>5,680.412<br/>2</b> |

## Roxford Warehouses Project - Los Angeles-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied****3.5 Building Construction - 2023****Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O           | CO2e                   |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|---------------|------------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day   |                        |                        |               |               |                        |
| Hauling      | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000                 | 0.0000                 | 0.0000        | 0.0000        | 0.0000                 |
| Vendor       | 0.2291        | 7.6383        | 2.9591         | 0.0370        | 1.2747        | 0.0384        | 1.3131        | 0.3670         | 0.0367        | 0.4038        |          | 3,985.621<br>2         | 3,985.621<br>2         | 0.1336        | 0.5730        | 4,159.719<br>1         |
| Worker       | 1.6257        | 1.1333        | 18.3591        | 0.0503        | 5.6782        | 0.0342        | 5.7124        | 1.5059         | 0.0315        | 1.5373        |          | 5,080.382<br>9         | 5,080.382<br>9         | 0.1281        | 0.1172        | 5,118.523<br>9         |
| <b>Total</b> | <b>1.8548</b> | <b>8.7716</b> | <b>21.3182</b> | <b>0.0873</b> | <b>6.9529</b> | <b>0.0726</b> | <b>7.0255</b> | <b>1.8729</b>  | <b>0.0682</b> | <b>1.9411</b> |          | <b>9,066.004<br/>1</b> | <b>9,066.004<br/>1</b> | <b>0.2617</b> | <b>0.6903</b> | <b>9,278.243<br/>0</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                        |                        |               |     |                        |
| Off-Road     | 0.7497        | 6.3975        | 37.7435        | 0.0597        |               | 0.0886        | 0.0886        |                | 0.0886        | 0.0886        | 0.0000        | 5,650.598<br>1         | 5,650.598<br>1         | 1.1926        |     | 5,680.412<br>2         |
| <b>Total</b> | <b>0.7497</b> | <b>6.3975</b> | <b>37.7435</b> | <b>0.0597</b> |               | <b>0.0886</b> | <b>0.0886</b> |                | <b>0.0886</b> | <b>0.0886</b> | <b>0.0000</b> | <b>5,650.598<br/>1</b> | <b>5,650.598<br/>1</b> | <b>1.1926</b> |     | <b>5,680.412<br/>2</b> |

## Roxford Warehouses Project - Los Angeles-South Coast County, Summer

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

## 3.5 Building Construction - 2023

Mitigated Construction Off-Site

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O           | CO2e                   |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|---------------|------------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day   |                        |                        |               |               |                        |
| Hauling      | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000                 | 0.0000                 | 0.0000        | 0.0000        | 0.0000                 |
| Vendor       | 0.2291        | 7.6383        | 2.9591         | 0.0370        | 0.5485        | 0.0384        | 0.5869        | 0.1888         | 0.0367        | 0.2255        |          | 3,985.621<br>2         | 3,985.621<br>2         | 0.1336        | 0.5730        | 4,159.719<br>1         |
| Worker       | 1.6257        | 1.1333        | 18.3591        | 0.0503        | 1.7290        | 0.0342        | 1.7632        | 0.5366         | 0.0315        | 0.5680        |          | 5,080.382<br>9         | 5,080.382<br>9         | 0.1281        | 0.1172        | 5,118.523<br>9         |
| <b>Total</b> | <b>1.8548</b> | <b>8.7716</b> | <b>21.3182</b> | <b>0.0873</b> | <b>2.2776</b> | <b>0.0726</b> | <b>2.3501</b> | <b>0.7253</b>  | <b>0.0682</b> | <b>0.7935</b> |          | <b>9,066.004<br/>1</b> | <b>9,066.004<br/>1</b> | <b>0.2617</b> | <b>0.6903</b> | <b>9,278.243<br/>0</b> |

## 3.5 Building Construction - 2024

Unmitigated Construction On-Site

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                        |                        |               |     |                        |
| Off-Road     | 2.9426        | 27.0284        | 33.9744        | 0.0597        |               | 1.0870        | 1.0870        |                | 1.0384        | 1.0384        |          | 5,650.871<br>0         | 5,650.871<br>0         | 1.1827        |     | 5,680.438<br>6         |
| <b>Total</b> | <b>2.9426</b> | <b>27.0284</b> | <b>33.9744</b> | <b>0.0597</b> |               | <b>1.0870</b> | <b>1.0870</b> |                | <b>1.0384</b> | <b>1.0384</b> |          | <b>5,650.871<br/>0</b> | <b>5,650.871<br/>0</b> | <b>1.1827</b> |     | <b>5,680.438<br/>6</b> |

## Roxford Warehouses Project - Los Angeles-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied****3.5 Building Construction - 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       | 0.2221        | 7.6538        | 2.8961         | 0.0365        | 1.2747        | 0.0387        | 1.3134        | 0.3670         | 0.0370        | 0.4040        |          | 3,925.764<br>7         | 3,925.764<br>7         | 0.1341        | 0.5650        | 4,097.489<br>7         |
| Worker       | 1.5146        | 1.0116        | 17.0599        | 0.0488        | 5.6782        | 0.0327        | 5.7109        | 1.5059         | 0.0301        | 1.5360        |          | 4,936.388<br>9         | 4,936.388<br>9         | 0.1159        | 0.1090        | 4,971.778<br>0         |
| <b>Total</b> | <b>1.7367</b> | <b>8.6654</b> | <b>19.9560</b> | <b>0.0853</b> | <b>6.9529</b> | <b>0.0714</b> | <b>7.0243</b> | <b>1.8729</b>  | <b>0.0671</b> | <b>1.9400</b> |          | <b>8,862.153<br/>5</b> | <b>8,862.153<br/>5</b> | <b>0.2500</b> | <b>0.6740</b> | <b>9,069.267<br/>7</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                        |                        |               |     |                        |
| Off-Road     | 0.7497        | 6.3975        | 37.7435        | 0.0597        |               | 0.0886        | 0.0886        |                | 0.0886        | 0.0886        | 0.0000        | 5,650.871<br>0         | 5,650.871<br>0         | 1.1827        |     | 5,680.438<br>5         |
| <b>Total</b> | <b>0.7497</b> | <b>6.3975</b> | <b>37.7435</b> | <b>0.0597</b> |               | <b>0.0886</b> | <b>0.0886</b> |                | <b>0.0886</b> | <b>0.0886</b> | <b>0.0000</b> | <b>5,650.871<br/>0</b> | <b>5,650.871<br/>0</b> | <b>1.1827</b> |     | <b>5,680.438<br/>5</b> |

## Roxford Warehouses Project - Los Angeles-South Coast County, Summer

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

## 3.5 Building Construction - 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       | 0.2221        | 7.6538        | 2.8961         | 0.0365        | 0.5485        | 0.0387        | 0.5872        | 0.1888         | 0.0370        | 0.2258        |          | 3,925.764<br>7         | 3,925.764<br>7         | 0.1341        | 0.5650        | 4,097.489<br>7         |
| Worker       | 1.5146        | 1.0116        | 17.0599        | 0.0488        | 1.7290        | 0.0327        | 1.7617        | 0.5366         | 0.0301        | 0.5667        |          | 4,936.388<br>9         | 4,936.388<br>9         | 0.1159        | 0.1090        | 4,971.778<br>0         |
| <b>Total</b> | <b>1.7367</b> | <b>8.6654</b> | <b>19.9560</b> | <b>0.0853</b> | <b>2.2776</b> | <b>0.0714</b> | <b>2.3489</b> | <b>0.7253</b>  | <b>0.0671</b> | <b>0.7924</b> |          | <b>8,862.153<br/>5</b> | <b>8,862.153<br/>5</b> | <b>0.2500</b> | <b>0.6740</b> | <b>9,069.267<br/>7</b> |

## 3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

|                 | ROG            | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category        | lb/day         |               |               |                    |               |               |               |                |               |               | lb/day   |                 |                 |               |     |                 |
| Archit. Coating | 45.6255        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.3615         | 2.4376        | 3.6203        | 5.9400e-003        |               | 0.1218        | 0.1218        |                | 0.1218        | 0.1218        |          | 562.8961        | 562.8961        | 0.0317        |     | 563.6885        |
| <b>Total</b>    | <b>45.9870</b> | <b>2.4376</b> | <b>3.6203</b> | <b>5.9400e-003</b> |               | <b>0.1218</b> | <b>0.1218</b> |                | <b>0.1218</b> | <b>0.1218</b> |          | <b>562.8961</b> | <b>562.8961</b> | <b>0.0317</b> |     | <b>563.6885</b> |

## Roxford Warehouses Project - Los Angeles-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 - 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       | 0.3041        | 0.2031        | 3.4254        | 9.8100e-003        | 1.1401        | 6.5700e-003        | 1.1467        | 0.3024         | 6.0400e-003        | 0.3084        |          | 991.1647        | 991.1647        | 0.0233        | 0.0219        | 998.2704        |
| <b>Total</b> | <b>0.3041</b> | <b>0.2031</b> | <b>3.4254</b> | <b>9.8100e-003</b> | <b>1.1401</b> | <b>6.5700e-003</b> | <b>1.1467</b> | <b>0.3024</b>  | <b>6.0400e-003</b> | <b>0.3084</b> |          | <b>991.1647</b> | <b>991.1647</b> | <b>0.0233</b> | <b>0.0219</b> | <b>998.2704</b> |

**Mitigated Construction On-Site**

|                 | ROG            | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 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 | 45.6255        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |               |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.0594         | 0.2575        | 3.6648        | 5.9400e-003        |               | 7.9200e-003        | 7.9200e-003        |                | 7.9200e-003        | 7.9200e-003        | 0.0000        | 562.8961        | 562.8961        | 0.0317        |     | 563.6885        |
| <b>Total</b>    | <b>45.6849</b> | <b>0.2575</b> | <b>3.6648</b> | <b>5.9400e-003</b> |               | <b>7.9200e-003</b> | <b>7.9200e-003</b> |                | <b>7.9200e-003</b> | <b>7.9200e-003</b> | <b>0.0000</b> | <b>562.8961</b> | <b>562.8961</b> | <b>0.0317</b> |     | <b>563.6885</b> |

## Roxford Warehouses Project - Los Angeles-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 - 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       | 0.3041        | 0.2031        | 3.4254        | 9.8100e-003        | 0.3472        | 6.5700e-003        | 0.3537        | 0.1077         | 6.0400e-003        | 0.1138        |          | 991.1647        | 991.1647        | 0.0233        | 0.0219        | 998.2704        |
| <b>Total</b> | <b>0.3041</b> | <b>0.2031</b> | <b>3.4254</b> | <b>9.8100e-003</b> | <b>0.3472</b> | <b>6.5700e-003</b> | <b>0.3537</b> | <b>0.1077</b>  | <b>6.0400e-003</b> | <b>0.1138</b> |          | <b>991.1647</b> | <b>991.1647</b> | <b>0.0233</b> | <b>0.0219</b> | <b>998.2704</b> |

## 3.7 Paving - 2024

Unmitigated Construction On-Site

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 1.1123        | 11.1708        | 17.3835        | 0.0269        |               | 0.5214        | 0.5214        |                | 0.4797        | 0.4797        |          | 2,607.0555        | 2,607.0555        | 0.8432        |     | 2,628.1348        |
| Paving       | 1.5777        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>2.6900</b> | <b>11.1708</b> | <b>17.3835</b> | <b>0.0269</b> |               | <b>0.5214</b> | <b>0.5214</b> |                | <b>0.4797</b> | <b>0.4797</b> |          | <b>2,607.0555</b> | <b>2,607.0555</b> | <b>0.8432</b> |     | <b>2,628.1348</b> |

## Roxford Warehouses Project - Los Angeles-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 Paving - 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       | 0.0596        | 0.0398        | 0.6717        | 1.9200e-003        | 0.2236        | 1.2900e-003        | 0.2248        | 0.0593         | 1.1900e-003        | 0.0605        |          | 194.3460        | 194.3460        | 4.5600e-003        | 4.2900e-003        | 195.7393        |
| <b>Total</b> | <b>0.0596</b> | <b>0.0398</b> | <b>0.6717</b> | <b>1.9200e-003</b> | <b>0.2236</b> | <b>1.2900e-003</b> | <b>0.2248</b> | <b>0.0593</b>  | <b>1.1900e-003</b> | <b>0.0605</b> |          | <b>194.3460</b> | <b>194.3460</b> | <b>4.5600e-003</b> | <b>4.2900e-003</b> | <b>195.7393</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 0.3819        | 3.5304        | 20.4218        | 0.0269        |               | 0.0442        | 0.0442        |                | 0.0442        | 0.0442        | 0.0000        | 2,607.0555        | 2,607.0555        | 0.8432        |     | 2,628.1348        |
| Paving       | 1.5777        |               |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.9596</b> | <b>3.5304</b> | <b>20.4218</b> | <b>0.0269</b> |               | <b>0.0442</b> | <b>0.0442</b> |                | <b>0.0442</b> | <b>0.0442</b> | <b>0.0000</b> | <b>2,607.0555</b> | <b>2,607.0555</b> | <b>0.8432</b> |     | <b>2,628.1348</b> |

## Roxford Warehouses Project - Los Angeles-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 Paving - 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       | 0.0596        | 0.0398        | 0.6717        | 1.9200e-003        | 0.0681        | 1.2900e-003        | 0.0694        | 0.0211         | 1.1900e-003        | 0.0223        |          | 194.3460        | 194.3460        | 4.5600e-003        | 4.2900e-003        | 195.7393        |
| <b>Total</b> | <b>0.0596</b> | <b>0.0398</b> | <b>0.6717</b> | <b>1.9200e-003</b> | <b>0.0681</b> | <b>1.2900e-003</b> | <b>0.0694</b> | <b>0.0211</b>  | <b>1.1900e-003</b> | <b>0.0223</b> |          | <b>194.3460</b> | <b>194.3460</b> | <b>4.5600e-003</b> | <b>4.2900e-003</b> | <b>195.7393</b> |

**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

## Roxford Warehouses Project - Los Angeles-South Coast County, Summer

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

|             | ROG    | NOx    | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2       | Total CO2       | CH4    | N2O    | CO2e            |
|-------------|--------|--------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------------|-----------------|--------|--------|-----------------|
| Category    | lb/day |        |         |        |               |              |            |                |               |             | lb/day   |                 |                 |        |        |                 |
| Mitigated   | 4.9199 | 5.3392 | 54.3733 | 0.1250 | 13.1201       | 0.0873       | 13.2075    | 3.4948         | 0.0811        | 3.5759      |          | 12,738.80<br>72 | 12,738.80<br>72 | 0.7864 | 0.4883 | 12,903.98<br>61 |
| Unmitigated | 4.9199 | 5.3392 | 54.3733 | 0.1250 | 13.1201       | 0.0873       | 13.2075    | 3.4948         | 0.0811        | 3.5759      |          | 12,738.80<br>72 | 12,738.80<br>72 | 0.7864 | 0.4883 | 12,903.98<br>61 |

## 4.2 Trip Summary Information

|                                  | Average Daily Trip Rate |          |          | Unmitigated | Mitigated  |
|----------------------------------|-------------------------|----------|----------|-------------|------------|
| Land Use                         | Weekday                 | Saturday | Sunday   | Annual VMT  | Annual VMT |
| General Office Building          | 356.12                  | 356.12   | 356.12   | 1,402,696   | 1,402,696  |
| Parking Lot                      | 0.00                    | 0.00     | 0.00     |             |            |
| Unrefrigerated Warehouse-No Rail | 1,051.00                | 1,051.00 | 1,051.00 | 4,829,106   | 4,829,106  |
| Total                            | 1,407.12                | 1,407.12 | 1,407.12 | 6,231,802   | 6,231,802  |

## 4.3 Trip Type Information

|                             | Miles      |            |             | Trip %     |            |             | Trip Purpose % |          |         |
|-----------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
| Land Use                    | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary        | Diverted | Pass-by |
| General Office Building     | 16.60      | 8.40       | 6.90        | 33.00      | 48.00      | 19.00       | 100            | 0        | 0       |
| 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        | 59.00      | 0.00       | 41.00       | 100            | 0        | 0       |

## 4.4 Fleet Mix

| Land Use                | LDA      | LDT1     | LDT2     | MDV      | LHD1     | LHD2     | MHD      | HHD      | OBUS     | UBUS     | MCY      | SBUS     | MH       |
|-------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| General Office Building | 0.542464 | 0.063735 | 0.188241 | 0.126899 | 0.023249 | 0.006239 | 0.010717 | 0.008079 | 0.000923 | 0.000604 | 0.024795 | 0.000702 | 0.003352 |
| Parking Lot             | 0.542464 | 0.063735 | 0.188241 | 0.126899 | 0.023249 | 0.006239 | 0.010717 | 0.008079 | 0.000923 | 0.000604 | 0.024795 | 0.000702 | 0.003352 |

## Roxford Warehouses Project - Los Angeles-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 | 0.542464 | 0.063735 | 0.188241 | 0.126899 | 0.023249 | 0.006239 | 0.010717 | 0.008079 | 0.000923 | 0.000604 | 0.024795 | 0.000702 | 0.003352 |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|

**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   | 0.0248 | 0.2250 | 0.1890 | 1.3500e-003 |               | 0.0171       | 0.0171     |                | 0.0171        | 0.0171      |          | 270.0290  | 270.0290  | 5.1800e-003 | 4.9500e-003 | 271.6337 |
| NaturalGas Unmitigated | 0.0248 | 0.2250 | 0.1890 | 1.3500e-003 |               | 0.0171       | 0.0171     |                | 0.0171        | 0.0171      |          | 270.0290  | 270.0290  | 5.1800e-003 | 4.9500e-003 | 271.6337 |

## Roxford Warehouses Project - Los Angeles-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   |                 |                 |                    |                    |                 |
| General Office Building          | 927.109        | 0.0100        | 0.0909        | 0.0764        | 5.5000e-004        |               | 6.9100e-003   | 6.9100e-003   |                | 6.9100e-003   | 6.9100e-003   |          | 109.0717        | 109.0717        | 2.0900e-003        | 2.0000e-003        | 109.7198        |
| 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 | 1368.14        | 0.0148        | 0.1341        | 0.1127        | 8.0000e-004        |               | 0.0102        | 0.0102        |                | 0.0102        | 0.0102        |          | 160.9574        | 160.9574        | 3.0900e-003        | 2.9500e-003        | 161.9138        |
| <b>Total</b>                     |                | <b>0.0248</b> | <b>0.2250</b> | <b>0.1890</b> | <b>1.3500e-003</b> |               | <b>0.0171</b> | <b>0.0171</b> |                | <b>0.0171</b> | <b>0.0171</b> |          | <b>270.0290</b> | <b>270.0290</b> | <b>5.1800e-003</b> | <b>4.9500e-003</b> | <b>271.6337</b> |

## Roxford Warehouses Project - Los Angeles-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   |                 |                 |                    |                    |                 |
| General Office Building          | 0.927109       | 0.0100        | 0.0909        | 0.0764        | 5.5000e-004        |               | 6.9100e-003   | 6.9100e-003   |                | 6.9100e-003   | 6.9100e-003   |          | 109.0717        | 109.0717        | 2.0900e-003        | 2.0000e-003        | 109.7198        |
| 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 | 1.36814        | 0.0148        | 0.1341        | 0.1127        | 8.0000e-004        |               | 0.0102        | 0.0102        |                | 0.0102        | 0.0102        |          | 160.9574        | 160.9574        | 3.0900e-003        | 2.9500e-003        | 161.9138        |
| <b>Total</b>                     |                | <b>0.0248</b> | <b>0.2250</b> | <b>0.1890</b> | <b>1.3500e-003</b> |               | <b>0.0171</b> | <b>0.0171</b> |                | <b>0.0171</b> | <b>0.0171</b> |          | <b>270.0290</b> | <b>270.0290</b> | <b>5.1800e-003</b> | <b>4.9500e-003</b> | <b>271.6337</b> |

## 6.0 Area Detail

## 6.1 Mitigation Measures Area

## Roxford Warehouses Project - Los Angeles-South Coast County, Summer

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

|             | ROG     | NOx         | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O | CO2e   |
|-------------|---------|-------------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category    | lb/day  |             |        |             |               |              |             |                |               |             | lb/day   |           |           |             |     |        |
| Mitigated   | 13.1953 | 9.5000e-004 | 0.1043 | 1.0000e-005 |               | 3.7000e-004  | 3.7000e-004 |                | 3.7000e-004   | 3.7000e-004 |          | 0.2240    | 0.2240    | 5.8000e-004 |     | 0.2386 |
| Unmitigated | 13.1953 | 9.5000e-004 | 0.1043 | 1.0000e-005 |               | 3.7000e-004  | 3.7000e-004 |                | 3.7000e-004   | 3.7000e-004 |          | 0.2240    | 0.2240    | 5.8000e-004 |     | 0.2386 |

**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 | 0.8250         |                    |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Consumer Products     | 12.3607        |                    |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Landscaping           | 9.6300e-003    | 9.5000e-004        | 0.1043        | 1.0000e-005        |               | 3.7000e-004        | 3.7000e-004        |                | 3.7000e-004        | 3.7000e-004        |          | 0.2240        | 0.2240        | 5.8000e-004        |     | 0.2386        |
| <b>Total</b>          | <b>13.1953</b> | <b>9.5000e-004</b> | <b>0.1043</b> | <b>1.0000e-005</b> |               | <b>3.7000e-004</b> | <b>3.7000e-004</b> |                | <b>3.7000e-004</b> | <b>3.7000e-004</b> |          | <b>0.2240</b> | <b>0.2240</b> | <b>5.8000e-004</b> |     | <b>0.2386</b> |

## Roxford Warehouses Project - Los Angeles-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 | 0.8250         |                    |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Consumer Products     | 12.3607        |                    |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Landscaping           | 9.6300e-003    | 9.5000e-004        | 0.1043        | 1.0000e-005        |               | 3.7000e-004        | 3.7000e-004        |                | 3.7000e-004        | 3.7000e-004        |          | 0.2240        | 0.2240        | 5.8000e-004        |     | 0.2386        |
| <b>Total</b>          | <b>13.1953</b> | <b>9.5000e-004</b> | <b>0.1043</b> | <b>1.0000e-005</b> |               | <b>3.7000e-004</b> | <b>3.7000e-004</b> |                | <b>3.7000e-004</b> | <b>3.7000e-004</b> |          | <b>0.2240</b> | <b>0.2240</b> | <b>5.8000e-004</b> |     | <b>0.2386</b> |

**7.0 Water Detail****7.1 Mitigation Measures Water**

## Roxford Warehouses Project - Los Angeles-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**

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**8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

**10.0 Stationary Equipment**

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**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**

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## Roxford Warehouses Project - Los Angeles-South Coast County, Winter

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

**Roxford Warehouses Project**  
**Los Angeles-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 | 580.66 | 1000sqft | 14.08       | 580,663.00         | 0          |
| General Office Building          | 32.82  | 1000sqft | 0.00        | 32,822.00          | 0          |
| Parking Lot                      | 410.00 | Space    | 13.85       | 603,306.00         | 0          |

**1.2 Other Project Characteristics**

|                                |                                         |                                |       |                                  |       |
|--------------------------------|-----------------------------------------|--------------------------------|-------|----------------------------------|-------|
| <b>Urbanization</b>            | Urban                                   | <b>Wind Speed (m/s)</b>        | 2.2   | <b>Precipitation Freq (Days)</b> | 33    |
| <b>Climate Zone</b>            | 12                                      |                                |       | <b>Operational Year</b>          | 2024  |
| <b>Utility Company</b>         | Los Angeles Department of Water & Power |                                |       |                                  |       |
| <b>CO2 Intensity (lb/MWhr)</b> | 691.98                                  | <b>CH4 Intensity (lb/MWhr)</b> | 0.033 | <b>N2O Intensity (lb/MWhr)</b>   | 0.004 |

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - Applicant info.

Construction Phase - Applicant info.

Off-road Equipment - Applicant info.

Off-road Equipment - Applicant info.

Off-road Equipment - Applicant info.

Off-road Equipment - Applicant info.

Off-road Equipment - Applicant info.

Off-road Equipment - Applicant info.

Grading - Applicant info.

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

Area Mitigation - Per SCAQMD Rule 1113.

| Table Name              | Column Name                               | Default Value | New Value |
|-------------------------|-------------------------------------------|---------------|-----------|
| tblArchitecturalCoating | EF_Nonresidential_Exterior                | 100.00        | 50.00     |
| tblArchitecturalCoating | EF_Nonresidential_Interior                | 100.00        | 50.00     |
| tblAreaCoating          | Area_EF_Nonresidential_Exterior           | 100           | 50        |
| tblAreaCoating          | Area_EF_Nonresidential_Interior           | 100           | 50        |
| tblAreaMitigation       | UseLowVOCPaintNonresidentialExteriorValue | 100           | 50        |
| tblAreaMitigation       | UseLowVOCPaintNonresidentialInteriorValue | 100           | 50        |
| tblConstDustMitigation  | CleanPavedRoadPercentReduction            | 0             | 80        |
| tblConstEquipMitigation | NumberOfEquipmentMitigated                | 0.00          | 4.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated                | 0.00          | 7.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated                | 0.00          | 1.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated                | 0.00          | 3.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated                | 0.00          | 1.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated                | 0.00          | 2.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated                | 0.00          | 4.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated                | 0.00          | 7.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated                | 0.00          | 2.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated                | 0.00          | 2.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated                | 0.00          | 2.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated                | 0.00          | 2.00      |
| tblConstEquipMitigation | NumberOfEquipmentMitigated                | 0.00          | 2.00      |

## Roxford Warehouses Project - Los Angeles-South Coast County, Winter

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

|                         |                            |           |              |
|-------------------------|----------------------------|-----------|--------------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00      | 4.00         |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00      | 5.00         |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00      | 2.00         |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00      | 2.00         |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier                       | No Change | Tier 4 Final |
| tblConstructionPhase    | NumDays                    | 440.00    | 348.00       |
| tblConstructionPhase    | NumDays                    | 30.00     | 42.00        |
| tblConstructionPhase    | NumDays                    | 35.00     | 66.00        |
| tblConstructionPhase    | NumDays                    | 35.00     | 23.00        |
| tblConstructionPhase    | NumDays                    | 45.00     | 43.00        |
| tblConstructionPhase    | PhaseEndDate               | 2/10/2023 | 2/28/2023    |
| tblConstructionPhase    | PhaseEndDate               | 4/14/2023 | 4/28/2023    |
| tblConstructionPhase    | PhaseStartDate             | 2/11/2023 | 3/1/2023     |

## Roxford Warehouses Project - Los Angeles-South Coast County, Winter

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

|                     |                      |            |                           |
|---------------------|----------------------|------------|---------------------------|
| tblGrading          | AcresOfGrading       | 150.50     | 140.00                    |
| tblGrading          | MaterialExported     | 0.00       | 100,000.00                |
| tblLandUse          | LandUseSquareFeet    | 164,000.00 | 603,306.00                |
| tblLandUse          | LotAcreage           | 13.33      | 14.08                     |
| tblLandUse          | LotAcreage           | 0.75       | 0.00                      |
| tblLandUse          | LotAcreage           | 3.69       | 13.85                     |
| tblOffRoadEquipment | LoadFactor           | 0.43       | 0.43                      |
| tblOffRoadEquipment | LoadFactor           | 0.36       | 0.36                      |
| tblOffRoadEquipment | LoadFactor           | 0.43       | 0.43                      |
| tblOffRoadEquipment | LoadFactor           | 0.38       | 0.38                      |
| tblOffRoadEquipment | LoadFactor           | 0.38       | 0.38                      |
| tblOffRoadEquipment | LoadFactor           | 0.37       | 0.37                      |
| tblOffRoadEquipment | LoadFactor           | 0.40       | 0.40                      |
| tblOffRoadEquipment | LoadFactor           | 0.29       | 0.29                      |
| tblOffRoadEquipment | LoadFactor           | 0.40       | 0.40                      |
| tblOffRoadEquipment | LoadFactor           | 0.31       | 0.31                      |
| tblOffRoadEquipment | LoadFactor           | 0.37       | 0.37                      |
| tblOffRoadEquipment | OffRoadEquipmentType |            | Crawler Tractors          |
| tblOffRoadEquipment | OffRoadEquipmentType |            | Rubber Tired Loaders      |
| tblOffRoadEquipment | OffRoadEquipmentType |            | Crawler Tractors          |
| tblOffRoadEquipment | OffRoadEquipmentType |            | Rollers                   |
| tblOffRoadEquipment | OffRoadEquipmentType |            | Excavators                |
| tblOffRoadEquipment | OffRoadEquipmentType |            | Tractors/Loaders/Backhoes |
| tblOffRoadEquipment | OffRoadEquipmentType |            | Rough Terrain Forklifts   |
| tblOffRoadEquipment | OffRoadEquipmentType |            | Cranes                    |
| tblOffRoadEquipment | OffRoadEquipmentType |            | Rough Terrain Forklifts   |
| tblOffRoadEquipment | OffRoadEquipmentType |            | Aerial Lifts              |
| tblOffRoadEquipment | OffRoadEquipmentType |            | Air Compressors           |
| tblOffRoadEquipment | OffRoadEquipmentType |            | Skid Steer Loaders        |

## Roxford Warehouses Project - Los Angeles-South Coast County, Winter

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

|                     |                            |       |           |
|---------------------|----------------------------|-------|-----------|
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00  | 0.00      |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00  | 0.00      |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00  | 2.00      |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00  | 2.00      |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00  | 0.00      |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00  | 2.00      |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00  | 2.00      |
| tblOffRoadEquipment | UsageHours                 | 7.00  | 8.00      |
| tblTripsAndVMT      | HaulingTripLength          | 20.00 | 5.00      |
| tblTripsAndVMT      | HaulingTripLength          | 20.00 | 5.00      |
| tblTripsAndVMT      | PhaseName                  |       | Trenching |
| tblTripsAndVMT      | VendorTripNumber           | 0.00  | 10.00     |
| tblTripsAndVMT      | VendorTripNumber           | 0.00  | 10.00     |
| tblVehicleTrips     | DV_TP                      | 19.00 | 0.00      |
| tblVehicleTrips     | DV_TP                      | 5.00  | 0.00      |
| tblVehicleTrips     | PB_TP                      | 4.00  | 0.00      |
| tblVehicleTrips     | PB_TP                      | 3.00  | 0.00      |
| tblVehicleTrips     | PR_TP                      | 77.00 | 100.00    |
| tblVehicleTrips     | PR_TP                      | 92.00 | 100.00    |
| tblVehicleTrips     | ST_TR                      | 2.21  | 10.85     |
| tblVehicleTrips     | ST_TR                      | 1.74  | 1.81      |
| tblVehicleTrips     | SU_TR                      | 0.70  | 10.85     |
| tblVehicleTrips     | SU_TR                      | 1.74  | 1.81      |
| tblVehicleTrips     | WD_TR                      | 9.74  | 10.85     |
| tblVehicleTrips     | WD_TR                      | 1.74  | 1.81      |

**2.0 Emissions Summary**

## Roxford Warehouses Project - Los Angeles-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied****2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

|         | ROG     | NOx     | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2       | Total CO2       | CH4    | N2O    | CO2e            |
|---------|---------|---------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------------|-----------------|--------|--------|-----------------|
| Year    | lb/day  |         |         |        |               |              |            |                |               |             | lb/day   |                 |                 |        |        |                 |
| 2023    | 5.0876  | 55.3818 | 54.0449 | 0.1444 | 6.9529        | 1.7414       | 8.2529     | 1.8729         | 1.6044        | 3.1148      | 0.0000   | 14,455.49<br>85 | 14,455.49<br>85 | 2.6148 | 0.8768 | 14,700.41<br>74 |
| 2024    | 51.1041 | 38.8210 | 59.4287 | 0.1577 | 8.0931        | 1.2870       | 9.3801     | 2.1753         | 1.2335        | 3.4088      | 0.0000   | 15,761.88<br>88 | 15,761.88<br>88 | 1.4891 | 0.7063 | 16,009.59<br>22 |
| Maximum | 51.1041 | 55.3818 | 59.4287 | 0.1577 | 8.0931        | 1.7414       | 9.3801     | 2.1753         | 1.6044        | 3.4088      | 0.0000   | 15,761.88<br>88 | 15,761.88<br>88 | 2.6148 | 0.8768 | 16,009.59<br>22 |

**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   |                 |                 |        |        |                 |
| 2023    | 2.7176  | 18.5492 | 57.6706 | 0.1444 | 2.2776        | 0.1882       | 2.4390     | 0.7253         | 0.1853        | 0.8824      | 0.0000   | 14,455.49<br>85 | 14,455.49<br>85 | 2.6148 | 0.8768 | 14,700.41<br>74 |
| 2024    | 48.6091 | 16.0100 | 63.2424 | 0.1577 | 2.6248        | 0.1747       | 2.7995     | 0.8331         | 0.1699        | 1.0030      | 0.0000   | 15,761.88<br>88 | 15,761.88<br>88 | 1.4891 | 0.7063 | 16,009.59<br>22 |
| Maximum | 48.6091 | 18.5492 | 63.2424 | 0.1577 | 2.6248        | 0.1882       | 2.7995     | 0.8331         | 0.1853        | 1.0030      | 0.0000   | 15,761.88<br>88 | 15,761.88<br>88 | 2.6148 | 0.8768 | 16,009.59<br>22 |

## Roxford Warehouses Project - Los Angeles-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 | 8.66 | 63.31 | -6.56 | 0.00 | 67.42         | 88.02        | 70.29      | 61.50          | 87.48         | 71.10       | 0.00     | 0.00     | 0.00      | 0.00 | 0.00 | 0.00 |

## Roxford Warehouses Project - Los Angeles-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         | 13.1953        | 9.5000e-004   | 0.1043         | 1.0000e-005   |                | 3.7000e-004   | 3.7000e-004    |                | 3.7000e-004   | 3.7000e-004   |          | 0.2240             | 0.2240             | 5.8000e-004   |               | 0.2386             |
| Energy       | 0.0248         | 0.2250        | 0.1890         | 1.3500e-003   |                | 0.0171        | 0.0171         |                | 0.0171        | 0.0171        |          | 270.0290           | 270.0290           | 5.1800e-003   | 4.9500e-003   | 271.6337           |
| Mobile       | 4.8524         | 5.7649        | 52.7535        | 0.1196        | 13.1201        | 0.0874        | 13.2075        | 3.4948         | 0.0811        | 3.5759        |          | 12,195.7909        | 12,195.7909        | 0.8032        | 0.5094        | 12,367.6703        |
| <b>Total</b> | <b>18.0725</b> | <b>5.9908</b> | <b>53.0469</b> | <b>0.1210</b> | <b>13.1201</b> | <b>0.1048</b> | <b>13.2250</b> | <b>3.4948</b>  | <b>0.0986</b> | <b>3.5934</b> |          | <b>12,466.0439</b> | <b>12,466.0439</b> | <b>0.8089</b> | <b>0.5144</b> | <b>12,639.5426</b> |

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         | 13.1953        | 9.5000e-004   | 0.1043         | 1.0000e-005   |                | 3.7000e-004   | 3.7000e-004    |                | 3.7000e-004   | 3.7000e-004   |          | 0.2240             | 0.2240             | 5.8000e-004   |               | 0.2386             |
| Energy       | 0.0248         | 0.2250        | 0.1890         | 1.3500e-003   |                | 0.0171        | 0.0171         |                | 0.0171        | 0.0171        |          | 270.0290           | 270.0290           | 5.1800e-003   | 4.9500e-003   | 271.6337           |
| Mobile       | 4.8524         | 5.7649        | 52.7535        | 0.1196        | 13.1201        | 0.0874        | 13.2075        | 3.4948         | 0.0811        | 3.5759        |          | 12,195.7909        | 12,195.7909        | 0.8032        | 0.5094        | 12,367.6703        |
| <b>Total</b> | <b>18.0725</b> | <b>5.9908</b> | <b>53.0469</b> | <b>0.1210</b> | <b>13.1201</b> | <b>0.1048</b> | <b>13.2250</b> | <b>3.4948</b>  | <b>0.0986</b> | <b>3.5934</b> |          | <b>12,466.0439</b> | <b>12,466.0439</b> | <b>0.8089</b> | <b>0.5144</b> | <b>12,639.5426</b> |

## Roxford Warehouses Project - Los Angeles-South Coast County, Winter

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

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

**3.0 Construction Detail****Construction Phase**

| Phase Number | Phase Name            | Phase Type            | Start Date | End Date   | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1            | Demolition            | Demolition            | 1/1/2023   | 2/28/2023  | 5             | 42       |                   |
| 2            | Grading               | Grading               | 3/1/2023   | 4/28/2023  | 5             | 43       |                   |
| 3            | Trenching             | Trenching             | 5/1/2023   | 5/31/2023  | 5             | 23       |                   |
| 4            | Building Construction | Building Construction | 6/1/2023   | 9/30/2024  | 5             | 348      |                   |
| 5            | Architectural Coating | Architectural Coating | 8/1/2024   | 10/31/2024 | 5             | 66       |                   |
| 6            | Paving                | Paving                | 10/1/2024  | 10/31/2024 | 5             | 23       |                   |

**Acres of Grading (Site Preparation Phase): 0****Acres of Grading (Grading Phase): 140****Acres of Paving: 13.85****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 920,228; Non-Residential Outdoor: 306,743; Striped Parking Area: 36,198 (Architectural Coating – sqft)****OffRoad Equipment**

| Phase Name | Offroad Equipment Type   | Amount | Usage Hours | Horse Power | Load Factor |
|------------|--------------------------|--------|-------------|-------------|-------------|
| Demolition | Crawler Tractors         | 2      | 8.00        | 212         | 0.43        |
| Demolition | Concrete/Industrial Saws | 1      | 8.00        | 81          | 0.73        |
| Demolition | Rubber Tired Loaders     | 2      | 8.00        | 203         | 0.36        |
| Demolition | Excavators               | 3      | 8.00        | 158         | 0.38        |
| Grading    | Excavators               | 2      | 8.00        | 158         | 0.38        |

## Roxford Warehouses Project - Los Angeles-South Coast County, Winter

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

|                       |                           |   |      |     |      |
|-----------------------|---------------------------|---|------|-----|------|
| Grading               | Crawler Tractors          | 2 | 8.00 | 212 | 0.43 |
| Grading               | Rollers                   | 2 | 8.00 | 80  | 0.38 |
| Grading               | Graders                   | 1 | 8.00 | 187 | 0.41 |
| Trenching             | Excavators                | 2 | 8.00 | 158 | 0.38 |
| Trenching             | Tractors/Loaders/Backhoes | 2 | 8.00 | 97  | 0.37 |
| Trenching             | Rough Terrain Forklifts   | 2 | 8.00 | 100 | 0.40 |
| Demolition            | Rubber Tired Dozers       | 0 | 8.00 | 247 | 0.40 |
| Grading               | Rubber Tired Dozers       | 0 | 8.00 | 247 | 0.40 |
| Architectural Coating | Air Compressors           | 2 | 6.00 | 78  | 0.48 |
| Grading               | Scrapers                  | 2 | 8.00 | 367 | 0.48 |
| Trenching             | Cranes                    | 1 | 8.00 | 231 | 0.29 |
| Grading               | Tractors/Loaders/Backhoes | 2 | 8.00 | 97  | 0.37 |
| Building Construction | Cranes                    | 2 | 8.00 | 231 | 0.29 |
| Building Construction | Rough Terrain Forklifts   | 3 | 8.00 | 100 | 0.40 |
| Building Construction | Forklifts                 | 0 | 8.00 | 89  | 0.20 |
| Building Construction | Generator Sets            | 2 | 8.00 | 84  | 0.74 |
| 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 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97  | 0.37 |
| Building Construction | Welders                   | 2 | 8.00 | 46  | 0.45 |
| Building Construction | Aerial Lifts              | 2 | 8.00 | 63  | 0.31 |
| Building Construction | Air Compressors           | 2 | 8.00 | 78  | 0.48 |
| Paving                | Skid Steer Loaders        | 2 | 8.00 | 65  | 0.37 |

**Trips and VMT**

## Roxford Warehouses Project - Los Angeles-South Coast County, Winter

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

| 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            | 8                       | 20.00              | 10.00              | 829.00              | 14.70              | 6.90               | 5.00                | LD_Mix               | HDT_Mix              | HHDT                  |
| Architectural Coating | 2                       | 102.00             | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Grading               | 11                      | 28.00              | 10.00              | 12,500.00           | 14.70              | 6.90               | 5.00                | LD_Mix               | HDT_Mix              | HHDT                  |
| Trenching             | 7                       | 18.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction | 16                      | 508.00             | 199.00             | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving                | 8                       | 20.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Clean Paved Roads

**3.2 Demolition - 2023****Unmitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                        |                        |               |     |                        |
| Fugitive Dust |               |                |                |               | 4.2709        | 0.0000        | 4.2709        | 0.6467         | 0.0000        | 0.6467        |          |                        | 0.0000                 |               |     | 0.0000                 |
| Off-Road      | 2.3293        | 22.7866        | 20.9401        | 0.0500        |               | 0.9307        | 0.9307        |                | 0.8665        | 0.8665        |          | 4,822.471<br>7         | 4,822.471<br>7         | 1.3972        |     | 4,857.401<br>9         |
| <b>Total</b>  | <b>2.3293</b> | <b>22.7866</b> | <b>20.9401</b> | <b>0.0500</b> | <b>4.2709</b> | <b>0.9307</b> | <b>5.2017</b> | <b>0.6467</b>  | <b>0.8665</b> | <b>1.5132</b> |          | <b>4,822.471<br/>7</b> | <b>4,822.471<br/>7</b> | <b>1.3972</b> |     | <b>4,857.401<br/>9</b> |

## Roxford Warehouses Project - Los Angeles-South Coast County, Winter

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

## 3.2 Demolition - 2023

Unmitigated Construction Off-Site

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|---------------|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |               |               |                 |
| Hauling      | 0.0239        | 0.9589        | 0.4024        | 3.2800e-003        | 0.0867        | 4.2500e-003        | 0.0910        | 0.0238         | 4.0700e-003        | 0.0279        |          | 359.7885        | 359.7885        | 0.0185        | 0.0571        | 377.2683        |
| Vendor       | 0.0111        | 0.4019        | 0.1534        | 1.8600e-003        | 0.0641        | 1.9400e-003        | 0.0660        | 0.0184         | 1.8600e-003        | 0.0203        |          | 200.6203        | 200.6203        | 6.6800e-003   | 0.0289        | 209.3911        |
| Worker       | 0.0688        | 0.0493        | 0.6644        | 1.8700e-003        | 0.2236        | 1.3400e-003        | 0.2249        | 0.0593         | 1.2400e-003        | 0.0605        |          | 189.4707        | 189.4707        | 5.1100e-003   | 4.9300e-003   | 191.0678        |
| <b>Total</b> | <b>0.1038</b> | <b>1.4101</b> | <b>1.2202</b> | <b>7.0100e-003</b> | <b>0.3743</b> | <b>7.5300e-003</b> | <b>0.3819</b> | <b>0.1015</b>  | <b>7.1700e-003</b> | <b>0.1087</b> |          | <b>749.8795</b> | <b>749.8795</b> | <b>0.0303</b> | <b>0.0909</b> | <b>777.7272</b> |

Mitigated Construction On-Site

|               | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |               |                |               | 1.6657        | 0.0000        | 1.6657        | 0.2522         | 0.0000        | 0.2522        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 0.6010        | 2.6044        | 28.3668        | 0.0500        |               | 0.0801        | 0.0801        |                | 0.0801        | 0.0801        | 0.0000        | 4,822.4717        | 4,822.4717        | 1.3972        |     | 4,857.4019        |
| <b>Total</b>  | <b>0.6010</b> | <b>2.6044</b> | <b>28.3668</b> | <b>0.0500</b> | <b>1.6657</b> | <b>0.0801</b> | <b>1.7458</b> | <b>0.2522</b>  | <b>0.0801</b> | <b>0.3323</b> | <b>0.0000</b> | <b>4,822.4717</b> | <b>4,822.4717</b> | <b>1.3972</b> |     | <b>4,857.4019</b> |

## Roxford Warehouses Project - Los Angeles-South Coast County, Winter

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

## 3.2 Demolition - 2023

Mitigated Construction Off-Site

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|---------------|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |               |               |                 |
| Hauling      | 0.0239        | 0.9589        | 0.4024        | 3.2800e-003        | 0.0345        | 4.2500e-003        | 0.0388        | 0.0110         | 4.0700e-003        | 0.0151        |          | 359.7885        | 359.7885        | 0.0185        | 0.0571        | 377.2683        |
| Vendor       | 0.0111        | 0.4019        | 0.1534        | 1.8600e-003        | 0.0276        | 1.9400e-003        | 0.0295        | 9.4900e-003    | 1.8600e-003        | 0.0113        |          | 200.6203        | 200.6203        | 6.6800e-003   | 0.0289        | 209.3911        |
| Worker       | 0.0688        | 0.0493        | 0.6644        | 1.8700e-003        | 0.0681        | 1.3400e-003        | 0.0694        | 0.0211         | 1.2400e-003        | 0.0224        |          | 189.4707        | 189.4707        | 5.1100e-003   | 4.9300e-003   | 191.0678        |
| <b>Total</b> | <b>0.1038</b> | <b>1.4101</b> | <b>1.2202</b> | <b>7.0100e-003</b> | <b>0.1301</b> | <b>7.5300e-003</b> | <b>0.1377</b> | <b>0.0416</b>  | <b>7.1700e-003</b> | <b>0.0488</b> |          | <b>749.8795</b> | <b>749.8795</b> | <b>0.0303</b> | <b>0.0909</b> | <b>777.7272</b> |

## 3.3 Grading - 2023

Unmitigated Construction On-Site

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 3.7158        | 0.0000        | 3.7158        | 0.4127         | 0.0000        | 0.4127        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 3.8265        | 40.7886        | 33.0773        | 0.0744        |               | 1.6749        | 1.6749        |                | 1.5409        | 1.5409        |          | 7,198.5840        | 7,198.5840        | 2.3282        |     | 7,256.7882        |
| <b>Total</b>  | <b>3.8265</b> | <b>40.7886</b> | <b>33.0773</b> | <b>0.0744</b> | <b>3.7158</b> | <b>1.6749</b> | <b>5.3907</b> | <b>0.4127</b>  | <b>1.5409</b> | <b>1.9535</b> |          | <b>7,198.5840</b> | <b>7,198.5840</b> | <b>2.3282</b> |     | <b>7,256.7882</b> |

## Roxford Warehouses Project - Los Angeles-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 Grading - 2023

Unmitigated Construction Off-Site

|              | ROG           | NOx            | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2                    | Total CO2                    | CH4           | N2O           | CO2e                         |
|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------------|------------------------------|---------------|---------------|------------------------------|
| Category     | lb/day        |                |               |               |               |               |               |                |               |               | lb/day   |                              |                              |               |               |                              |
| Hauling      | 0.3521        | 14.1224        | 5.9269        | 0.0483        | 1.2768        | 0.0627        | 1.3394        | 0.3505         | 0.0600        | 0.4104        |          | 5,298.874 <sub>1</sub>       | 5,298.874 <sub>1</sub>       | 0.2728        | 0.8410        | 5,556.311 <sub>7</sub>       |
| Vendor       | 0.0111        | 0.4019         | 0.1534        | 1.8600e-003   | 0.0641        | 1.9400e-003   | 0.0660        | 0.0184         | 1.8600e-003   | 0.0203        |          | 200.6203                     | 200.6203                     | 6.6800e-003   | 0.0289        | 209.3911                     |
| Worker       | 0.0963        | 0.0690         | 0.9301        | 2.6200e-003   | 0.3130        | 1.8800e-003   | 0.3149        | 0.0830         | 1.7300e-003   | 0.0847        |          | 265.2590                     | 265.2590                     | 7.1600e-003   | 6.9000e-003   | 267.4949                     |
| <b>Total</b> | <b>0.4595</b> | <b>14.5932</b> | <b>7.0104</b> | <b>0.0528</b> | <b>1.6538</b> | <b>0.0665</b> | <b>1.7203</b> | <b>0.4519</b>  | <b>0.0635</b> | <b>0.5155</b> |          | <b>5,764.753<sub>4</sub></b> | <b>5,764.753<sub>4</sub></b> | <b>0.2866</b> | <b>0.8768</b> | <b>6,033.197<sub>7</sub></b> |

Mitigated Construction On-Site

|               | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2                    | Total CO2                    | CH4           | N2O | CO2e                         |
|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------------|------------------------------|---------------|-----|------------------------------|
| Category      | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                              |                              |               |     |                              |
| Fugitive Dust |               |               |                |               | 1.4492        | 0.0000        | 1.4492        | 0.1609         | 0.0000        | 0.1609        |               |                              | 0.0000                       |               |     | 0.0000                       |
| Off-Road      | 0.9129        | 3.9560        | 40.1376        | 0.0744        |               | 0.1217        | 0.1217        |                | 0.1217        | 0.1217        | 0.0000        | 7,198.584 <sub>0</sub>       | 7,198.584 <sub>0</sub>       | 2.3282        |     | 7,256.788 <sub>2</sub>       |
| <b>Total</b>  | <b>0.9129</b> | <b>3.9560</b> | <b>40.1376</b> | <b>0.0744</b> | <b>1.4492</b> | <b>0.1217</b> | <b>1.5709</b> | <b>0.1609</b>  | <b>0.1217</b> | <b>0.2827</b> | <b>0.0000</b> | <b>7,198.584<sub>0</sub></b> | <b>7,198.584<sub>0</sub></b> | <b>2.3282</b> |     | <b>7,256.788<sub>2</sub></b> |

## Roxford Warehouses Project - Los Angeles-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 Grading - 2023

Mitigated Construction Off-Site

|              | ROG           | NOx            | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O           | CO2e                   |
|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|---------------|------------------------|
| Category     | lb/day        |                |               |               |               |               |               |                |               |               | lb/day   |                        |                        |               |               |                        |
| Hauling      | 0.3521        | 14.1224        | 5.9269        | 0.0483        | 0.5081        | 0.0627        | 0.5708        | 0.1618         | 0.0600        | 0.2217        |          | 5,298.874<br>1         | 5,298.874<br>1         | 0.2728        | 0.8410        | 5,556.311<br>7         |
| Vendor       | 0.0111        | 0.4019         | 0.1534        | 1.8600e-003   | 0.0276        | 1.9400e-003   | 0.0295        | 9.4900e-003    | 1.8600e-003   | 0.0113        |          | 200.6203               | 200.6203               | 6.6800e-003   | 0.0289        | 209.3911               |
| Worker       | 0.0963        | 0.0690         | 0.9301        | 2.6200e-003   | 0.0953        | 1.8800e-003   | 0.0972        | 0.0296         | 1.7300e-003   | 0.0313        |          | 265.2590               | 265.2590               | 7.1600e-003   | 6.9000e-003   | 267.4949               |
| <b>Total</b> | <b>0.4595</b> | <b>14.5932</b> | <b>7.0104</b> | <b>0.0528</b> | <b>0.6310</b> | <b>0.0665</b> | <b>0.6974</b> | <b>0.2009</b>  | <b>0.0635</b> | <b>0.2644</b> |          | <b>5,764.753<br/>4</b> | <b>5,764.753<br/>4</b> | <b>0.2866</b> | <b>0.8768</b> | <b>6,033.197<br/>7</b> |

## 3.4 Trenching - 2023

Unmitigated Construction On-Site

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                        |                        |               |     |                        |
| Off-Road     | 1.2424        | 12.7749        | 17.4125        | 0.0293        |               | 0.5520        | 0.5520        |                | 0.5079        | 0.5079        |          | 2,832.023<br>1         | 2,832.023<br>1         | 0.9159        |     | 2,854.921<br>4         |
| <b>Total</b> | <b>1.2424</b> | <b>12.7749</b> | <b>17.4125</b> | <b>0.0293</b> |               | <b>0.5520</b> | <b>0.5520</b> |                | <b>0.5079</b> | <b>0.5079</b> |          | <b>2,832.023<br/>1</b> | <b>2,832.023<br/>1</b> | <b>0.9159</b> |     | <b>2,854.921<br/>4</b> |

## Roxford Warehouses Project - Los Angeles-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 Trenching - 2023

Unmitigated Construction Off-Site

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O                | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |                    |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             | 0.0000             | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             | 0.0000             | 0.0000          |
| Worker       | 0.0619        | 0.0444        | 0.5979        | 1.6900e-003        | 0.2012        | 1.2100e-003        | 0.2024        | 0.0534         | 1.1100e-003        | 0.0545        |          | 170.5237        | 170.5237        | 4.6000e-003        | 4.4400e-003        | 171.9610        |
| <b>Total</b> | <b>0.0619</b> | <b>0.0444</b> | <b>0.5979</b> | <b>1.6900e-003</b> | <b>0.2012</b> | <b>1.2100e-003</b> | <b>0.2024</b> | <b>0.0534</b>  | <b>1.1100e-003</b> | <b>0.0545</b> |          | <b>170.5237</b> | <b>170.5237</b> | <b>4.6000e-003</b> | <b>4.4400e-003</b> | <b>171.9610</b> |

Mitigated Construction On-Site

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 0.3589        | 1.5551        | 20.3693        | 0.0293        |               | 0.0479        | 0.0479        |                | 0.0479        | 0.0479        | 0.0000        | 2,832.0231        | 2,832.0231        | 0.9159        |     | 2,854.9214        |
| <b>Total</b> | <b>0.3589</b> | <b>1.5551</b> | <b>20.3693</b> | <b>0.0293</b> |               | <b>0.0479</b> | <b>0.0479</b> |                | <b>0.0479</b> | <b>0.0479</b> | <b>0.0000</b> | <b>2,832.0231</b> | <b>2,832.0231</b> | <b>0.9159</b> |     | <b>2,854.9214</b> |

## Roxford Warehouses Project - Los Angeles-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 Trenching - 2023

Mitigated Construction Off-Site

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O                | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |                    |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             | 0.0000             | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             | 0.0000             | 0.0000          |
| Worker       | 0.0619        | 0.0444        | 0.5979        | 1.6900e-003        | 0.0613        | 1.2100e-003        | 0.0625        | 0.0190         | 1.1100e-003        | 0.0201        |          | 170.5237        | 170.5237        | 4.6000e-003        | 4.4400e-003        | 171.9610        |
| <b>Total</b> | <b>0.0619</b> | <b>0.0444</b> | <b>0.5979</b> | <b>1.6900e-003</b> | <b>0.0613</b> | <b>1.2100e-003</b> | <b>0.0625</b> | <b>0.0190</b>  | <b>1.1100e-003</b> | <b>0.0201</b> |          | <b>170.5237</b> | <b>170.5237</b> | <b>4.6000e-003</b> | <b>4.4400e-003</b> | <b>171.9610</b> |

## 3.5 Building Construction - 2023

Unmitigated Construction On-Site

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                        |                        |               |     |                        |
| Off-Road     | 3.1196        | 28.6885        | 34.1178        | 0.0597        |               | 1.2272        | 1.2272        |                | 1.1735        | 1.1735        |          | 5,650.598<br>1         | 5,650.598<br>1         | 1.1926        |     | 5,680.412<br>2         |
| <b>Total</b> | <b>3.1196</b> | <b>28.6885</b> | <b>34.1178</b> | <b>0.0597</b> |               | <b>1.2272</b> | <b>1.2272</b> |                | <b>1.1735</b> | <b>1.1735</b> |          | <b>5,650.598<br/>1</b> | <b>5,650.598<br/>1</b> | <b>1.1926</b> |     | <b>5,680.412<br/>2</b> |

## Roxford Warehouses Project - Los Angeles-South Coast County, Winter

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

## 3.5 Building Construction - 2023

Unmitigated Construction Off-Site

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O           | CO2e                   |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|---------------|------------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day   |                        |                        |               |               |                        |
| Hauling      | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000                 | 0.0000                 | 0.0000        | 0.0000        | 0.0000                 |
| Vendor       | 0.2213        | 7.9972        | 3.0521         | 0.0371        | 1.2747        | 0.0386        | 1.3133        | 0.3670         | 0.0370        | 0.4040        |          | 3,992.344<br>0         | 3,992.344<br>0         | 0.1330        | 0.5746        | 4,166.882<br>9         |
| Worker       | 1.7467        | 1.2519        | 16.8750        | 0.0476        | 5.6782        | 0.0342        | 5.7124        | 1.5059         | 0.0315        | 1.5373        |          | 4,812.556<br>3         | 4,812.556<br>3         | 0.1299        | 0.1252        | 4,853.122<br>3         |
| <b>Total</b> | <b>1.9679</b> | <b>9.2491</b> | <b>19.9271</b> | <b>0.0847</b> | <b>6.9529</b> | <b>0.0728</b> | <b>7.0257</b> | <b>1.8729</b>  | <b>0.0684</b> | <b>1.9413</b> |          | <b>8,804.900<br/>3</b> | <b>8,804.900<br/>3</b> | <b>0.2628</b> | <b>0.6998</b> | <b>9,020.005<br/>2</b> |

Mitigated Construction On-Site

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                        |                        |               |     |                        |
| Off-Road     | 0.7497        | 6.3975        | 37.7435        | 0.0597        |               | 0.0886        | 0.0886        |                | 0.0886        | 0.0886        | 0.0000        | 5,650.598<br>1         | 5,650.598<br>1         | 1.1926        |     | 5,680.412<br>2         |
| <b>Total</b> | <b>0.7497</b> | <b>6.3975</b> | <b>37.7435</b> | <b>0.0597</b> |               | <b>0.0886</b> | <b>0.0886</b> |                | <b>0.0886</b> | <b>0.0886</b> | <b>0.0000</b> | <b>5,650.598<br/>1</b> | <b>5,650.598<br/>1</b> | <b>1.1926</b> |     | <b>5,680.412<br/>2</b> |

## Roxford Warehouses Project - Los Angeles-South Coast County, Winter

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

## 3.5 Building Construction - 2023

Mitigated Construction Off-Site

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O           | CO2e                   |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|---------------|------------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day   |                        |                        |               |               |                        |
| Hauling      | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000                 | 0.0000                 | 0.0000        | 0.0000        | 0.0000                 |
| Vendor       | 0.2213        | 7.9972        | 3.0521         | 0.0371        | 0.5485        | 0.0386        | 0.5872        | 0.1888         | 0.0370        | 0.2257        |          | 3,992.344<br>0         | 3,992.344<br>0         | 0.1330        | 0.5746        | 4,166.882<br>9         |
| Worker       | 1.7467        | 1.2519        | 16.8750        | 0.0476        | 1.7290        | 0.0342        | 1.7632        | 0.5366         | 0.0315        | 0.5680        |          | 4,812.556<br>3         | 4,812.556<br>3         | 0.1299        | 0.1252        | 4,853.122<br>3         |
| <b>Total</b> | <b>1.9679</b> | <b>9.2491</b> | <b>19.9271</b> | <b>0.0847</b> | <b>2.2776</b> | <b>0.0728</b> | <b>2.3504</b> | <b>0.7253</b>  | <b>0.0684</b> | <b>0.7937</b> |          | <b>8,804.900<br/>3</b> | <b>8,804.900<br/>3</b> | <b>0.2628</b> | <b>0.6998</b> | <b>9,020.005<br/>2</b> |

## 3.5 Building Construction - 2024

Unmitigated Construction On-Site

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                        |                        |               |     |                        |
| Off-Road     | 2.9426        | 27.0284        | 33.9744        | 0.0597        |               | 1.0870        | 1.0870        |                | 1.0384        | 1.0384        |          | 5,650.871<br>0         | 5,650.871<br>0         | 1.1827        |     | 5,680.438<br>6         |
| <b>Total</b> | <b>2.9426</b> | <b>27.0284</b> | <b>33.9744</b> | <b>0.0597</b> |               | <b>1.0870</b> | <b>1.0870</b> |                | <b>1.0384</b> | <b>1.0384</b> |          | <b>5,650.871<br/>0</b> | <b>5,650.871<br/>0</b> | <b>1.1827</b> |     | <b>5,680.438<br/>6</b> |

## Roxford Warehouses Project - Los Angeles-South Coast County, Winter

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

## 3.5 Building Construction - 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       | 0.2139        | 8.0136        | 2.9880         | 0.0365        | 1.2747        | 0.0389        | 1.3136        | 0.3670         | 0.0372        | 0.4042        |          | 3,932.525<br>3         | 3,932.525<br>3         | 0.1335        | 0.5665        | 4,104.678<br>2         |
| Worker       | 1.6328        | 1.1171        | 15.6947        | 0.0463        | 5.6782        | 0.0327        | 5.7109        | 1.5059         | 0.0301        | 1.5360        |          | 4,676.595<br>1         | 4,676.595<br>1         | 0.1176        | 0.1164        | 4,714.229<br>2         |
| <b>Total</b> | <b>1.8466</b> | <b>9.1307</b> | <b>18.6827</b> | <b>0.0828</b> | <b>6.9529</b> | <b>0.0716</b> | <b>7.0245</b> | <b>1.8729</b>  | <b>0.0673</b> | <b>1.9402</b> |          | <b>8,609.120<br/>4</b> | <b>8,609.120<br/>4</b> | <b>0.2511</b> | <b>0.6829</b> | <b>8,818.907<br/>3</b> |

Mitigated Construction On-Site

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                        |                        |               |     |                        |
| Off-Road     | 0.7497        | 6.3975        | 37.7435        | 0.0597        |               | 0.0886        | 0.0886        |                | 0.0886        | 0.0886        | 0.0000        | 5,650.871<br>0         | 5,650.871<br>0         | 1.1827        |     | 5,680.438<br>5         |
| <b>Total</b> | <b>0.7497</b> | <b>6.3975</b> | <b>37.7435</b> | <b>0.0597</b> |               | <b>0.0886</b> | <b>0.0886</b> |                | <b>0.0886</b> | <b>0.0886</b> | <b>0.0000</b> | <b>5,650.871<br/>0</b> | <b>5,650.871<br/>0</b> | <b>1.1827</b> |     | <b>5,680.438<br/>5</b> |

## Roxford Warehouses Project - Los Angeles-South Coast County, Winter

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

## 3.5 Building Construction - 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       | 0.2139        | 8.0136        | 2.9880         | 0.0365        | 0.5485        | 0.0389        | 0.5874        | 0.1888         | 0.0372        | 0.2260        |          | 3,932.525<br>3         | 3,932.525<br>3         | 0.1335        | 0.5665        | 4,104.678<br>2         |
| Worker       | 1.6328        | 1.1171        | 15.6947        | 0.0463        | 1.7290        | 0.0327        | 1.7617        | 0.5366         | 0.0301        | 0.5667        |          | 4,676.595<br>1         | 4,676.595<br>1         | 0.1176        | 0.1164        | 4,714.229<br>2         |
| <b>Total</b> | <b>1.8466</b> | <b>9.1307</b> | <b>18.6827</b> | <b>0.0828</b> | <b>2.2776</b> | <b>0.0716</b> | <b>2.3492</b> | <b>0.7253</b>  | <b>0.0673</b> | <b>0.7926</b> |          | <b>8,609.120<br/>4</b> | <b>8,609.120<br/>4</b> | <b>0.2511</b> | <b>0.6829</b> | <b>8,818.907<br/>3</b> |

## 3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

|                 | ROG            | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category        | lb/day         |               |               |                    |               |               |               |                |               |               | lb/day   |                 |                 |               |     |                 |
| Archit. Coating | 45.6255        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.3615         | 2.4376        | 3.6203        | 5.9400e-003        |               | 0.1218        | 0.1218        |                | 0.1218        | 0.1218        |          | 562.8961        | 562.8961        | 0.0317        |     | 563.6885        |
| <b>Total</b>    | <b>45.9870</b> | <b>2.4376</b> | <b>3.6203</b> | <b>5.9400e-003</b> |               | <b>0.1218</b> | <b>0.1218</b> |                | <b>0.1218</b> | <b>0.1218</b> |          | <b>562.8961</b> | <b>562.8961</b> | <b>0.0317</b> |     | <b>563.6885</b> |

## Roxford Warehouses Project - Los Angeles-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 - 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       | 0.3278        | 0.2243        | 3.1513        | 9.2900e-003        | 1.1401        | 6.5700e-003        | 1.1467        | 0.3024         | 6.0400e-003        | 0.3084        |          | 939.0014        | 939.0014        | 0.0236        | 0.0234        | 946.5578        |
| <b>Total</b> | <b>0.3278</b> | <b>0.2243</b> | <b>3.1513</b> | <b>9.2900e-003</b> | <b>1.1401</b> | <b>6.5700e-003</b> | <b>1.1467</b> | <b>0.3024</b>  | <b>6.0400e-003</b> | <b>0.3084</b> |          | <b>939.0014</b> | <b>939.0014</b> | <b>0.0236</b> | <b>0.0234</b> | <b>946.5578</b> |

Mitigated Construction On-Site

|                 | ROG            | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 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 | 45.6255        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |               |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.0594         | 0.2575        | 3.6648        | 5.9400e-003        |               | 7.9200e-003        | 7.9200e-003        |                | 7.9200e-003        | 7.9200e-003        | 0.0000        | 562.8961        | 562.8961        | 0.0317        |     | 563.6885        |
| <b>Total</b>    | <b>45.6849</b> | <b>0.2575</b> | <b>3.6648</b> | <b>5.9400e-003</b> |               | <b>7.9200e-003</b> | <b>7.9200e-003</b> |                | <b>7.9200e-003</b> | <b>7.9200e-003</b> | <b>0.0000</b> | <b>562.8961</b> | <b>562.8961</b> | <b>0.0317</b> |     | <b>563.6885</b> |

## Roxford Warehouses Project - Los Angeles-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 - 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       | 0.3278        | 0.2243        | 3.1513        | 9.2900e-003        | 0.3472        | 6.5700e-003        | 0.3537        | 0.1077         | 6.0400e-003        | 0.1138        |          | 939.0014        | 939.0014        | 0.0236        | 0.0234        | 946.5578        |
| <b>Total</b> | <b>0.3278</b> | <b>0.2243</b> | <b>3.1513</b> | <b>9.2900e-003</b> | <b>0.3472</b> | <b>6.5700e-003</b> | <b>0.3537</b> | <b>0.1077</b>  | <b>6.0400e-003</b> | <b>0.1138</b> |          | <b>939.0014</b> | <b>939.0014</b> | <b>0.0236</b> | <b>0.0234</b> | <b>946.5578</b> |

## 3.7 Paving - 2024

Unmitigated Construction On-Site

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 1.1123        | 11.1708        | 17.3835        | 0.0269        |               | 0.5214        | 0.5214        |                | 0.4797        | 0.4797        |          | 2,607.0555        | 2,607.0555        | 0.8432        |     | 2,628.1348        |
| Paving       | 1.5777        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>2.6900</b> | <b>11.1708</b> | <b>17.3835</b> | <b>0.0269</b> |               | <b>0.5214</b> | <b>0.5214</b> |                | <b>0.4797</b> | <b>0.4797</b> |          | <b>2,607.0555</b> | <b>2,607.0555</b> | <b>0.8432</b> |     | <b>2,628.1348</b> |

## Roxford Warehouses Project - Los Angeles-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 Paving - 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       | 0.0643        | 0.0440        | 0.6179        | 1.8200e-003        | 0.2236        | 1.2900e-003        | 0.2248        | 0.0593         | 1.1900e-003        | 0.0605        |          | 184.1179        | 184.1179        | 4.6300e-003        | 4.5800e-003        | 185.5996        |
| <b>Total</b> | <b>0.0643</b> | <b>0.0440</b> | <b>0.6179</b> | <b>1.8200e-003</b> | <b>0.2236</b> | <b>1.2900e-003</b> | <b>0.2248</b> | <b>0.0593</b>  | <b>1.1900e-003</b> | <b>0.0605</b> |          | <b>184.1179</b> | <b>184.1179</b> | <b>4.6300e-003</b> | <b>4.5800e-003</b> | <b>185.5996</b> |

Mitigated Construction On-Site

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 0.3819        | 3.5304        | 20.4218        | 0.0269        |               | 0.0442        | 0.0442        |                | 0.0442        | 0.0442        | 0.0000        | 2,607.0555        | 2,607.0555        | 0.8432        |     | 2,628.1348        |
| Paving       | 1.5777        |               |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.9596</b> | <b>3.5304</b> | <b>20.4218</b> | <b>0.0269</b> |               | <b>0.0442</b> | <b>0.0442</b> |                | <b>0.0442</b> | <b>0.0442</b> | <b>0.0000</b> | <b>2,607.0555</b> | <b>2,607.0555</b> | <b>0.8432</b> |     | <b>2,628.1348</b> |

## Roxford Warehouses Project - Los Angeles-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 Paving - 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       | 0.0643        | 0.0440        | 0.6179        | 1.8200e-003        | 0.0681        | 1.2900e-003        | 0.0694        | 0.0211         | 1.1900e-003        | 0.0223        |          | 184.1179        | 184.1179        | 4.6300e-003        | 4.5800e-003        | 185.5996        |
| <b>Total</b> | <b>0.0643</b> | <b>0.0440</b> | <b>0.6179</b> | <b>1.8200e-003</b> | <b>0.0681</b> | <b>1.2900e-003</b> | <b>0.0694</b> | <b>0.0211</b>  | <b>1.1900e-003</b> | <b>0.0223</b> |          | <b>184.1179</b> | <b>184.1179</b> | <b>4.6300e-003</b> | <b>4.5800e-003</b> | <b>185.5996</b> |

**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

## Roxford Warehouses Project - Los Angeles-South Coast County, Winter

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

|             | ROG    | NOx    | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2   | Total CO2   | CH4    | N2O    | CO2e        |
|-------------|--------|--------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-------------|-------------|--------|--------|-------------|
| Category    | lb/day |        |         |        |               |              |            |                |               |             | lb/day   |             |             |        |        |             |
| Mitigated   | 4.8524 | 5.7649 | 52.7535 | 0.1196 | 13.1201       | 0.0874       | 13.2075    | 3.4948         | 0.0811        | 3.5759      |          | 12,195.7909 | 12,195.7909 | 0.8032 | 0.5094 | 12,367.6703 |
| Unmitigated | 4.8524 | 5.7649 | 52.7535 | 0.1196 | 13.1201       | 0.0874       | 13.2075    | 3.4948         | 0.0811        | 3.5759      |          | 12,195.7909 | 12,195.7909 | 0.8032 | 0.5094 | 12,367.6703 |

## 4.2 Trip Summary Information

|                                  | Average Daily Trip Rate |          |          | Unmitigated | Mitigated  |
|----------------------------------|-------------------------|----------|----------|-------------|------------|
| Land Use                         | Weekday                 | Saturday | Sunday   | Annual VMT  | Annual VMT |
| General Office Building          | 356.12                  | 356.12   | 356.12   | 1,402,696   | 1,402,696  |
| Parking Lot                      | 0.00                    | 0.00     | 0.00     |             |            |
| Unrefrigerated Warehouse-No Rail | 1,051.00                | 1,051.00 | 1,051.00 | 4,829,106   | 4,829,106  |
| Total                            | 1,407.12                | 1,407.12 | 1,407.12 | 6,231,802   | 6,231,802  |

## 4.3 Trip Type Information

|                             | Miles      |            |             | Trip %     |            |             | Trip Purpose % |          |         |
|-----------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
| Land Use                    | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary        | Diverted | Pass-by |
| General Office Building     | 16.60      | 8.40       | 6.90        | 33.00      | 48.00      | 19.00       | 100            | 0        | 0       |
| 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        | 59.00      | 0.00       | 41.00       | 100            | 0        | 0       |

## 4.4 Fleet Mix

| Land Use                | LDA      | LDT1     | LDT2     | MDV      | LHD1     | LHD2     | MHD      | HHD      | OBUS     | UBUS     | MCY      | SBUS     | MH       |
|-------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| General Office Building | 0.542464 | 0.063735 | 0.188241 | 0.126899 | 0.023249 | 0.006239 | 0.010717 | 0.008079 | 0.000923 | 0.000604 | 0.024795 | 0.000702 | 0.003352 |
| Parking Lot             | 0.542464 | 0.063735 | 0.188241 | 0.126899 | 0.023249 | 0.006239 | 0.010717 | 0.008079 | 0.000923 | 0.000604 | 0.024795 | 0.000702 | 0.003352 |

## Roxford Warehouses Project - Los Angeles-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 | 0.542464 | 0.063735 | 0.188241 | 0.126899 | 0.023249 | 0.006239 | 0.010717 | 0.008079 | 0.000923 | 0.000604 | 0.024795 | 0.000702 | 0.003352 |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|

## 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   | 0.0248 | 0.2250 | 0.1890 | 1.3500e-003 |               | 0.0171       | 0.0171     |                | 0.0171        | 0.0171      |          | 270.0290  | 270.0290  | 5.1800e-003 | 4.9500e-003 | 271.6337 |
| NaturalGas Unmitigated | 0.0248 | 0.2250 | 0.1890 | 1.3500e-003 |               | 0.0171       | 0.0171     |                | 0.0171        | 0.0171      |          | 270.0290  | 270.0290  | 5.1800e-003 | 4.9500e-003 | 271.6337 |

## Roxford Warehouses Project - Los Angeles-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   |                 |                 |                    |                    |                 |
| General Office Building          | 927.109        | 0.0100        | 0.0909        | 0.0764        | 5.5000e-004        |               | 6.9100e-003   | 6.9100e-003   |                | 6.9100e-003   | 6.9100e-003   |          | 109.0717        | 109.0717        | 2.0900e-003        | 2.0000e-003        | 109.7198        |
| 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 | 1368.14        | 0.0148        | 0.1341        | 0.1127        | 8.0000e-004        |               | 0.0102        | 0.0102        |                | 0.0102        | 0.0102        |          | 160.9574        | 160.9574        | 3.0900e-003        | 2.9500e-003        | 161.9138        |
| <b>Total</b>                     |                | <b>0.0248</b> | <b>0.2250</b> | <b>0.1890</b> | <b>1.3500e-003</b> |               | <b>0.0171</b> | <b>0.0171</b> |                | <b>0.0171</b> | <b>0.0171</b> |          | <b>270.0290</b> | <b>270.0290</b> | <b>5.1800e-003</b> | <b>4.9500e-003</b> | <b>271.6337</b> |

## Roxford Warehouses Project - Los Angeles-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   |           |           |             |             |          |
| General Office Building          | 0.927109       | 0.0100 | 0.0909 | 0.0764 | 5.5000e-004 |               | 6.9100e-003  | 6.9100e-003 |                | 6.9100e-003   | 6.9100e-003 |          | 109.0717  | 109.0717  | 2.0900e-003 | 2.0000e-003 | 109.7198 |
| 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 | 1.36814        | 0.0148 | 0.1341 | 0.1127 | 8.0000e-004 |               | 0.0102       | 0.0102      |                | 0.0102        | 0.0102      |          | 160.9574  | 160.9574  | 3.0900e-003 | 2.9500e-003 | 161.9138 |
| Total                            |                | 0.0248 | 0.2250 | 0.1890 | 1.3500e-003 |               | 0.0171       | 0.0171      |                | 0.0171        | 0.0171      |          | 270.0290  | 270.0290  | 5.1800e-003 | 4.9500e-003 | 271.6337 |

## 6.0 Area Detail

## 6.1 Mitigation Measures Area

## Roxford Warehouses Project - Los Angeles-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   | 13.1953 | 9.5000e-004 | 0.1043 | 1.0000e-005 |               | 3.7000e-004  | 3.7000e-004 |                | 3.7000e-004   | 3.7000e-004 |          | 0.2240    | 0.2240    | 5.8000e-004 |     | 0.2386 |
| Unmitigated | 13.1953 | 9.5000e-004 | 0.1043 | 1.0000e-005 |               | 3.7000e-004  | 3.7000e-004 |                | 3.7000e-004   | 3.7000e-004 |          | 0.2240    | 0.2240    | 5.8000e-004 |     | 0.2386 |

**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 | 0.8250         |                    |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Consumer Products     | 12.3607        |                    |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Landscaping           | 9.6300e-003    | 9.5000e-004        | 0.1043        | 1.0000e-005        |               | 3.7000e-004        | 3.7000e-004        |                | 3.7000e-004        | 3.7000e-004        |          | 0.2240        | 0.2240        | 5.8000e-004        |     | 0.2386        |
| <b>Total</b>          | <b>13.1953</b> | <b>9.5000e-004</b> | <b>0.1043</b> | <b>1.0000e-005</b> |               | <b>3.7000e-004</b> | <b>3.7000e-004</b> |                | <b>3.7000e-004</b> | <b>3.7000e-004</b> |          | <b>0.2240</b> | <b>0.2240</b> | <b>5.8000e-004</b> |     | <b>0.2386</b> |

## Roxford Warehouses Project - Los Angeles-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 | 0.8250         |                    |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Consumer Products     | 12.3607        |                    |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Landscaping           | 9.6300e-003    | 9.5000e-004        | 0.1043        | 1.0000e-005        |               | 3.7000e-004        | 3.7000e-004        |                | 3.7000e-004        | 3.7000e-004        |          | 0.2240        | 0.2240        | 5.8000e-004        |     | 0.2386        |
| <b>Total</b>          | <b>13.1953</b> | <b>9.5000e-004</b> | <b>0.1043</b> | <b>1.0000e-005</b> |               | <b>3.7000e-004</b> | <b>3.7000e-004</b> |                | <b>3.7000e-004</b> | <b>3.7000e-004</b> |          | <b>0.2240</b> | <b>0.2240</b> | <b>5.8000e-004</b> |     | <b>0.2386</b> |

## 7.0 Water Detail

## 7.1 Mitigation Measures Water

## Roxford Warehouses Project - Los Angeles-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**

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**8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

**10.0 Stationary Equipment**

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**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**

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