



7400 Slauson Avenue
ENERGY ANALYSIS
CITY OF COMMERCE

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FEBRUARY 22, 2023

13961-06 EA Report

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LIST OF ABBREVIATED TERMS

%	Percent
(1)	Reference
AQIA	<i>7400 Slauson Avenue Air Quality Impact Analysis</i>
BACM	Best Available Control Measures
BTU	British Thermal Units
CalEEMod	California Emissions Estimator Model
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CCR	California Code of Regulations
CEC	California Energy Commission
CEQA	California Environmental Quality Act
<i>CEQA Guidelines</i>	<i>2020 CEQA Statute and Guidelines</i>
City	City of Commerce
CPEP	Clean Power and Electrification Pathway
CPUC	California Public Utilities Commission
DMV	Department of Motor Vehicles
EIA	Energy Information Administration
EPA	Environmental Protection Agency
EMFAC	EMissions FACtor
FERC	Federal Energy Regulatory Commission
GHG	Greenhouse Gas
GWh	Gigawatt Hour
HHDT	Heavy-Heavy Duty Trucks
hp-hr-gal	Horsepower Hours Per Gallon
I-5	Interstate 5
IEPR	Integrated Energy Policy Report
ISO	Independent Service Operator
ISTEA	Intermodal Surface Transportation Efficiency Act
ITE	Institute of Transportation Engineers
kBTU	Thousand-British Thermal Units
kWh	Kilowatt Hour
LDA	Light Duty Auto
LDT1/LDT2	Light-Duty Trucks
LHDT1/LHDT2	Light-Heavy Duty Trucks
MDV	Medium Duty Trucks
MHDT	Medium-Heavy Duty Trucks

MMcfd	Million Cubic Feet Per Day
mpg	Miles Per Gallon
MPO	Metropolitan Planning Organization
PG&E	Pacific Gas and Electric
Project	7400 Slauson Avenue
SCAB	South Coast Air Basin
SCE	Southern California Edison
sf	Square Feet
SoCalGas	Southern California Gas
TEA-21	Transportation Equity Act for the 21 st Century
U.S.	United States
VMT	Vehicle Miles Traveled

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EXECUTIVE SUMMARY

ES.1 SUMMARY OF FINDINGS

The results of this 7400 Slauson Avenue Energy Analysis is summarized below based on the significance criteria in Section 5 of this report consistent with Appendix G of the 2020 California Environmental Quality Act (CEQA) Statute and Guidelines (*CEQA Guidelines*) (1). Table ES-1 shows the findings of significance for potential energy impacts under CEQA.

TABLE ES-1: SUMMARY OF CEQA SIGNIFICANCE FINDINGS

Analysis	Report Section	Significance Findings	
		Unmitigated	Mitigated
Energy Impact #1: Would the Project result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	5.1	<i>Less Than Significant</i>	<i>n/a</i>
Energy Impact #2: Would the Project conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	5.2	<i>Less Than Significant</i>	<i>n/a</i>
Energy Impact #3: Would the Project achieve the goal of energy conservation by: <ul style="list-style-type: none"> • Decreasing overall per capita energy consumption. • Decreasing reliance on fossil fuels such as coal, natural gas and oil. • Increasing reliance on renewable energy sources. 	5.3	<i>Less Than Significant</i>	<i>n/a</i>

ES.2 PROJECT REQUIREMENTS

The Project would be required to comply with regulations imposed by the federal and state agencies that regulate energy use and consumption through various means and programs. Those that are directly and indirectly applicable to the Project and that would assist in the reduction of energy usage include:

- Intermodal Surface Transportation Efficiency Act of 1991 (ISTEA)
- The Transportation Equity Act for the 21st Century (TEA-21)
- Integrated Energy Policy Report (IEPR)
- State of California Energy Plan

- California Code Title 24, Part 6, Energy Efficiency Standards
- California Code Title 24, Part 11, California Green Building Standards Code (CALGreen)
- AB 1493 Pavley Regulations and Fuel Efficiency Standards
- California's Renewable Portfolio Standard (RPS)
- Clean Energy and Pollution Reduction Act of 2015 (SB 350)

Consistency with the above regulations are discussed in detail in section 5 of this report.

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1 INTRODUCTION

This report presents the results of the energy analysis prepared by Urban Crossroads, Inc., for the proposed 7400 Slauson Avenue Project (Project). The purpose of this report is to ensure that energy implication is considered by the City of Commerce (Lead Agency), as the lead agency, and to quantify anticipated energy usage associated with construction and operation of the proposed Project, determine if the usage amounts are efficient, typical, or wasteful for the land use type, and to emphasize avoiding or reducing inefficient, wasteful, and unnecessary consumption of energy.

1.1 SITE LOCATION

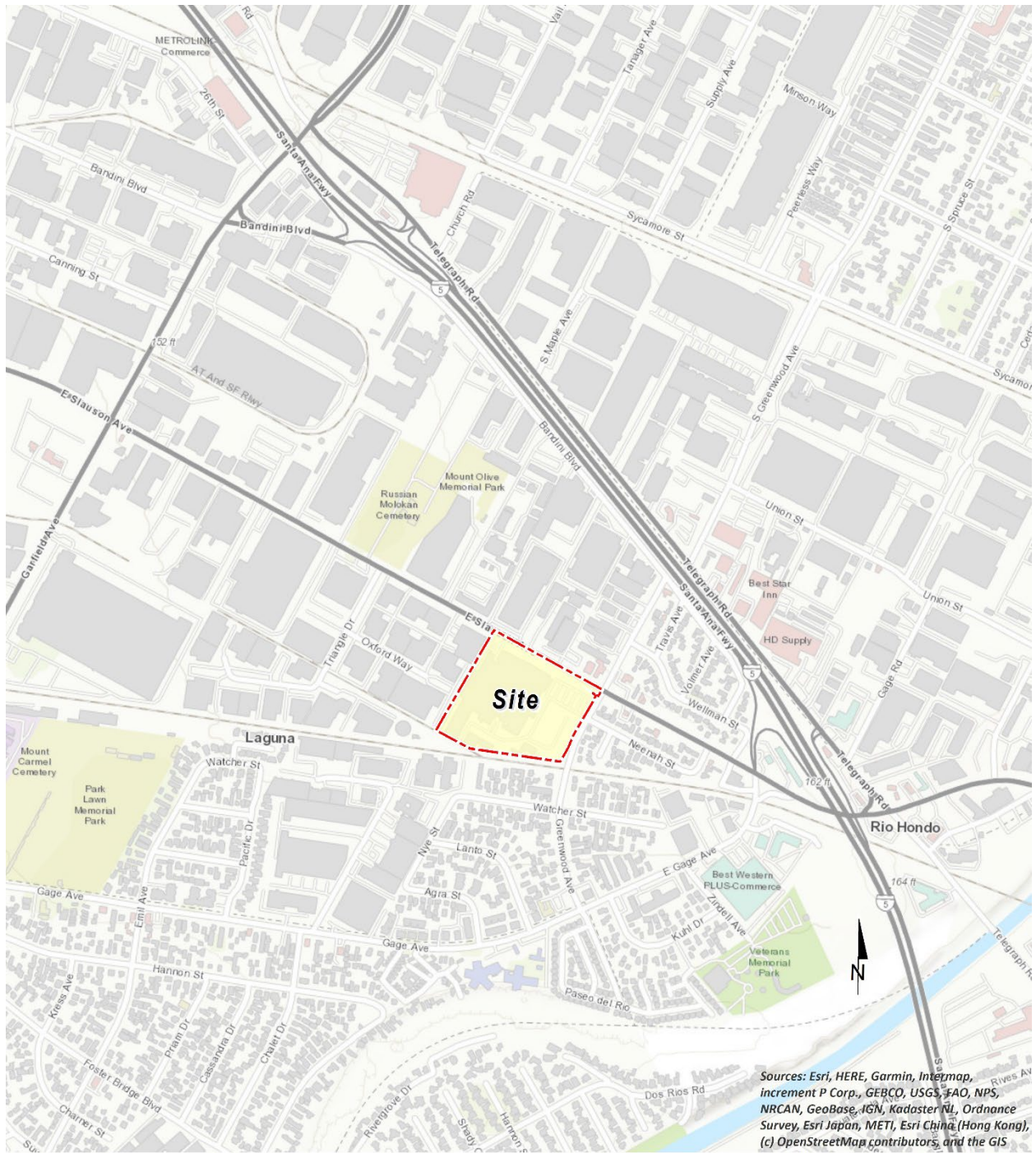
The proposed 7400 Slauson Avenue Project is in the City of Commerce, as shown on Exhibit 1-A. The Interstate 5 (I-5) highway is located approximately 0.19 miles northeast of the Project site boundary. The Project is located adjacent to existing commercial uses to the north and west with the nearest residential uses located to the east and south. The site is currently occupied by Gehr Industries and includes a combination of heavy truck and load docking activities.

1.2 PROJECT DESCRIPTION

The proposed Project is to consist of a 296,166 square foot (sf) building with warehousing use. The Project is anticipated to be constructed in one phase by the year 2024, as shown on Exhibit 1-B.

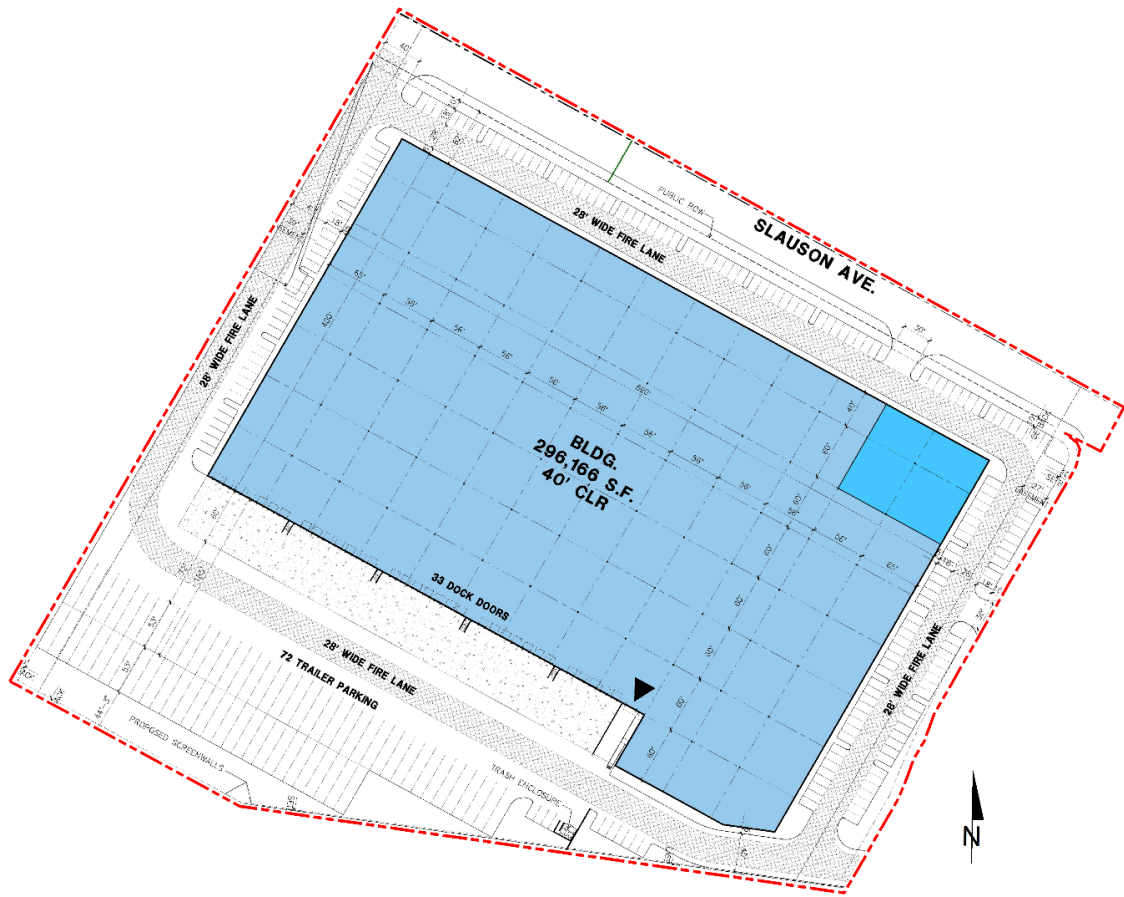
This analysis is intended to describe energy usage associated with the expected operational activities at the Project site. This report assumes the Project will operate 24-hours daily for seven days per week.

EXHIBIT 1-A: LOCATION MAP



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS

EXHIBIT 1-B: SITE PLAN



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2 EXISTING CONDITIONS

This section provides an overview of the existing energy conditions in the Project region.

2.1 OVERVIEW

The most recent data for California's estimated total energy consumption and natural gas consumption is from 2020, released by the United States (U.S.) Energy Information Administration's (EIA) California State Profile and Energy Estimates in 2021 and included (2):

- As of 2020, approximately 6,923 trillion British Thermal Unit (BTU) of energy was consumed
- As of 2020, approximately 524 million barrels of petroleum
- As of 2020, approximately 2,075 billion cubic feet of natural gas
- As of 2020, approximately 1 million short tons of coal

The California Energy Commission's (CEC) 2018-2030 Transportation Energy Demand Forecast was released in order to support the 2017 Integrated Energy Policy Report. The Transportation Energy Demand Forecast lays out graphs and data supporting CEC's projections of California's future transportation energy demand. The projected inputs consider expected variable changes in fuel prices, income, population, and other variables. Predictions regarding fuel demand included:

- Gasoline demand in the transportation sector is expected to decline from approximately 15.8 billion gallons in 2017 to between 12.3 billion and 12.7 billion gallons in 2030 (3)
- Diesel demand in the transportation sector is expected to rise, increasing from approximately 3.7 billion diesel gallons in 2015 to approximately 4.7 billion in 2030 (3)
- Data from the Department of Energy states that approximately 3.9 billion gallons of diesel fuel were consumed in 2019 (4)

The most recent data provided by the EIA for energy use in California by demand sector is from 2020 and is reported as follows:

- Approximately 34.0% transportation
- Approximately 24.6% industrial
- Approximately 21.8% residential
- Approximately 19.6% commercial (5)

In 2021, total system electric generation for California was 277,764 gigawatt hours (GWh). California's massive electricity in-state generation system generated approximately 194,127 GWh which accounted for approximately 70% of the electricity it uses; the rest was imported from the Pacific Northwest (12%) and the U.S. Southwest (18%) (6). Natural gas is the main source for electricity generation at 50.19% of the total in-state electric generation system power as shown in Table 2-1.

TABLE 2-1: TOTAL ELECTRICITY SYSTEM POWER (CALIFORNIA 2021)

Fuel Type	California In-State Generation (GWh)	% of California In-State Generation	Northwest Imports (GWh)	Southwest Imports (GWh)	Total Imports (GWh)	% of Imports	Total California Energy Mix	Total California Power Mix
Coal	303	0.2%	181	7,788	7,969	9.5%	8,272	3.0%
Natural Gas	97,431	50.2%	45	7,880	7,925	9.5%	105,356	379.0%
Oil	37	0.0%	-	-	-	0.0%	37	0.0%
Other (Waste Heat/Petroleum Coke)	382	0.2%	68	15	83	0.1%	465	0.2%
Nuclear	16,477	8.5%	524	8,756	9,281	11.1%	25,758	9.3%
Large Hydro	12,036	6.2%	12,042	1,578	13,620	16.3%	25,656	9.2%
Unspecified	-	0.0%	8,156	10,731	18,887	22.6%	18,887	6.8%
Total Thermal and Non-Renewables	126,666	65.2%	21,017	36,748	57,764	6910.0%	184,431	66.4%
Biomass	5,381	2.8%	864	26	890	1.1%	6,271	2.3%
Geothermal	11,116	5.7%	192	1,906	2,098	2.5%	13,214	4.8%
Small Hydro	2,531	1.3%	304	1	304	0.4%	2,835	1.0%
Solar	33,260	17.1%	220	5,979	6,199	7.4%	39,458	14.2%
Wind	15,173	7.8%	9,976	6,405	16,381	19.6%	31,555	11.4%
Total Renewables	67,461	34.8%	11,555	14,317	25,872	3090.0%	93,333	33.6%
SYSTEM TOTALS	194,127	100.0%	32,572	51,064	83,636	100.0%	277,764	100.0%

Source: CECs 2021 Total System Electric Generation

An updated summary of, and context for energy consumption and energy demands within the State is presented in “U.S. Energy Information Administration, California State Profile and Energy Estimates, Quick Facts” excerpted below (7):

- In 2021, California was the seventh-largest producer of crude oil among the 50 states, and, as of January 2021, it ranked third in crude oil refining capacity.
- California is the largest consumer of jet fuel and second-largest consumer of motor gasoline among the 50 states and, the state accounted for 15% of the nation’s jet fuel consumption and 10% of motor gasoline consumption in 2020.
- In 2019, California was the second-largest total energy consumer among the states, but its per capita energy consumption was less than in all other states except Rhode Island, due in part to its mild climate and its energy efficiency programs.
- In 2021, California was the nation’s top producer of electricity from solar, geothermal, and biomass energy. The state was fourth in the nation in conventional hydroelectric power generation, down from second in 2019, in part because of drought and increased water demand.
- In 2021, California was the fourth-largest electricity producer in the nation, but the state was also the nation’s second-largest consumer of electricity, and in 2020, it received about 30% of its electricity supply from generating facilities outside of California, including imports from Mexico.

As indicated above, California is one of the nation’s leading energy-producing states, and California’s per capita energy use is among the nation’s most efficient. Given the nature of the Project, the remainder of this discussion will focus on the three sources of energy that are most relevant to the Project—namely, electricity, natural gas, and transportation fuel for vehicle trips associated with the uses planned for the Project.

2.2 ELECTRICITY

The usage associated with electricity use were calculated using CalEEMod Version 2022.1. The Southern California region’s electricity reliability has been of concern for the past several years due to the planned retirement of aging facilities that depend upon once-through cooling technologies, as well as the June 2013 retirement of the San Onofre Nuclear Generating Station (San Onofre). While the once-through cooling phase-out has been ongoing since the May 2010 adoption of the State Water Resources Control Board’s once-through cooling policy, the retirement of San Onofre complicated the situation. California Independent Service Operator (ISO) studies revealed the extent to which the South Coast Air Basin (SCAB) and the San Diego Air Basin (SDAB) region were vulnerable to low-voltage and post-transient voltage instability concerns. A preliminary plan to address these issues was detailed in the 2013 Integrative Energy Policy Report (IEPR) after a collaborative process with other energy agencies, utilities, and air districts (8). Similarly, the subsequent 2021 IEPR’s provides information and policy recommendations on advancing a clean, reliable, and affordable energy system.

California’s electricity industry is an organization of traditional utilities, private generating companies, and state agencies, each with a variety of roles and responsibilities to ensure that electrical power is provided to consumers. The California ISO is a nonprofit public benefit

corporation and is the impartial operator of the State's wholesale power grid and is charged with maintaining grid reliability, and to direct uninterrupted electrical energy supplies to California's homes and communities. While utilities still own transmission assets, the ISO routes electrical power along these assets, maximizing the use of the transmission system and its power generation resources. The ISO matches buyers and sellers of electricity to ensure that enough power is available to meet demand. To these ends, every five minutes the ISO forecasts electrical demands, accounts for operating reserves, and assigns the lowest cost power plant unit to meet demands while ensuring adequate system transmission capacities and capabilities (9).

Part of the ISO's charge is to plan and coordinate grid enhancements to ensure that electrical power is provided to California consumers. To this end, utilities file annual transmission expansion/modification plans to accommodate the State's growing electrical needs. The ISO reviews and either approves or denies the proposed additions. In addition, and perhaps most importantly, the ISO works with other areas in the western United States electrical grid to ensure that adequate power supplies are available to the State. In this manner, continuing reliable and affordable electrical power is assured to existing and new consumers throughout the State.

Electricity is currently provided to the Project site by Southern California Edison (SCE). SCE provides electric power to more than 15 million persons in 15 counties and in 180 incorporated cities, within a service area encompassing approximately 50,000 square miles. Based on SCE's 2021 Power Content Label Mix, SCE derives electricity from varied energy resources including: fossil fuels, hydroelectric generators, nuclear power plants, geothermal power plants, solar power generation, and wind farms. SCE also purchases from independent power producers and utilities, including out-of-state suppliers (10).

Table 2-2 presents SCE's specific proportional shares of electricity sources in 2021. As indicated in Table 2-2, the 2021 SCE Power Mix has renewable energy at 31.4% of the overall energy resources. Geothermal resources are at 5.7%, wind power is at 10.2%, large hydroelectric sources are at 2.3%, solar energy is at 14.9%, and coal is at 0% (11).

TABLE 2-2: SCE 2021 POWER CONTENT MIX

Energy Resources	2020 SCE Power Mix
Eligible Renewable	31.4%
Biomass & Waste	0.1%
Geothermal	5.7%
Eligible Hydroelectric	0.5%
Solar	14.9%
Wind	10.2%
Coal	0.0%
Large Hydroelectric	2.3%
Natural Gas	22.3%
Nuclear	9.2%
Other	0.2%
Unspecified Sources of power*	34.6%
Total	100%

* "Unspecified sources of power" means electricity from transactions that are not traceable to specific generation sources

2.3 NATURAL GAS

The following summary of natural gas customers and volumes, supplies, delivery of supplies, storage, service options, and operations is excerpted from information provided by the California Public Utilities Commission (CPUC).

"The CPUC regulates natural gas utility service for approximately 10.8 million customers that receive natural gas from Pacific Gas and Electric (PG&E), Southern California Gas (SoCalGas), San Diego Gas & Electric (SDG&E), Southwest Gas, and several smaller natural gas utilities. The CPUC also regulates independent storage operators: Lodi Gas Storage, Wild Goose Storage, Central Valley Storage and Gill Ranch Storage.

California's natural gas utilities provide service to over 11 million gas meters. SoCalGas and PG&E provide service to about 5.9 million and 4.3 million customers, respectively, while SDG&E provides service to over 800, 000 customers. In 2018, California gas utilities forecasted that they would deliver about 4740 million cubic feet per day (MMcfd) of gas to their customers, on average, under normal weather conditions.

The overwhelming majority of natural gas utility customers in California are residential and small commercial customers, referred to as "core" customers. Larger volume gas customers, like electric generators and industrial customers, are called "noncore" customers. Although very small in number relative to core customers, noncore customers consume about 65% of the natural gas delivered by the state's natural gas utilities, while core customers consume about 35%.

A significant amount of gas (about 19%, or 1131 MMcf, of the total forecasted California consumption in 2018) is also directly delivered to some California large volume consumers, without being transported over the regulated utility pipeline system. Those customers, referred to as "bypass" customers, take service directly from interstate pipelines or directly from California producers.

SDG&E and Southwest Gas' southern division are wholesale customers of SoCalGas, i.e., they receive deliveries of gas from SoCalGas and in turn deliver that gas to their own customers. (Southwest Gas also provides natural gas distribution service in the Lake Tahoe area.) Similarly, West Coast Gas, a small gas utility, is a wholesale customer of PG&E. Some other wholesale customers are municipalities like the cities of Palo Alto, Long Beach, and Vernon, which are not regulated by the CPUC.

Natural gas from out-of-state production basins is delivered into California via the interstate natural gas pipeline system. The major interstate pipelines that deliver out-of-state natural gas to California gas utilities are Gas Transmission Northwest Pipeline, Kern River Pipeline, Transwestern Pipeline, El Paso Pipeline, Ruby Pipeline, Mojave Pipeline, and Tuscarora. Another pipeline, the North Baja - Baja Norte Pipeline takes gas off the El Paso Pipeline at the California/Arizona border and delivers that gas through California into Mexico. While the Federal Energy Regulatory Commission (FERC) regulates the transportation of natural gas on the interstate pipelines, and authorizes rates for that service, the California Public Utilities Commission may participate in FERC regulatory proceedings to represent the interests of California natural gas consumers.

The gas transported to California gas utilities via the interstate pipelines, as well as some of the California-produced gas, is delivered into the PG&E and SoCalGas intrastate natural gas transmission pipeline systems (commonly referred to as California's "backbone" pipeline system). Natural gas on the utilities' backbone pipeline systems is then delivered to the local transmission and distribution pipeline systems, or to natural gas storage fields. Some large volume noncore customers take natural gas delivery directly off the high-pressure backbone and local transmission pipeline systems, while core customers and other noncore customers take delivery off the utilities' distribution pipeline systems. The state's natural gas utilities operate over 100,000 miles of transmission and distribution pipelines, and thousands more miles of service lines.

Bypass customers take most of their deliveries directly off the Kern/Mojave pipeline system, but they also take a significant amount of gas from California production.

PG&E and SoCalGas own and operate several natural gas storage fields that are located within their service territories in northern and southern California, respectively. These storage fields, and four independently owned storage utilities - Lodi Gas Storage, Wild Goose Storage, Central Valley Storage, and Gill Ranch Storage - help meet peak seasonal and daily natural gas demand and allow California natural gas customers to secure natural gas supplies more efficiently. PG&E is a 25% owner of the Gill Ranch Storage field. These storage fields provide a significant amount of infrastructure capacity to help meet

California's natural gas requirements, and without these storage fields, California would need much more pipeline capacity in order to meet peak gas requirements.

Prior to the late 1980s, California regulated utilities provided virtually all natural gas services to all their customers. Since then, the Commission has gradually restructured the California gas industry in order to give customers more options while assuring regulatory protections for those customers that wish to, or are required to, continue receiving utility-provided services.

The option to purchase natural gas from independent suppliers is one of the results of this restructuring process. Although the regulated utilities procure natural gas supplies for most core customers, core customers have the option to purchase natural gas from independent natural gas marketers, called "core transport agents" (CTA). Contact information for core transport agents can be found on the utilities' web sites. Noncore customers, on the other hand, make natural gas supply arrangements directly with producers or with marketers.

Another option resulting from the restructuring process occurred in 1993, when the Commission removed the utilities' storage service responsibility for noncore customers, along with the cost of this service from noncore customers' transportation rates. The Commission also encouraged the development of independent storage fields, and in subsequent years, all the independent storage fields in California were established. Noncore customers and marketers may now take storage service from the utility or from an independent storage provider (if available), and pay for that service, or may opt to take no storage service at all. For core customers, the Commission assures that the utility has adequate storage capacity set aside to meet core requirements, and core customers pay for that service.

In a 1997 decision, the Commission adopted PG&E's "Gas Accord", which unbundled PG&E's backbone transmission costs from noncore transportation rates. This decision gave customers and marketers the opportunity to obtain pipeline capacity rights on PG&E's backbone transmission pipeline system, if desired, and pay for that service at rates authorized by the Commission. The Gas Accord also required PG&E to set aside a certain amount of backbone transmission capacity in order to deliver gas to its core customers. Subsequent Commission decisions modified and extended the initial terms of the Gas Accord. The "Gas Accord" framework is still in place today for PG&E's backbone and storage rates and services and is now simply referred to as PG&E Gas Transmission and Storage (GT&S).

In a 2006 decision, the Commission adopted a similar gas transmission framework for Southern California, called the "firm access rights" system. SoCalGas and SDG&E implemented the firm access rights (FAR) system in 2008, and it is now referred to as the backbone transmission system (BTS) framework. As under the PG&E backbone transmission system, SoCalGas backbone transmission costs are unbundled from noncore transportation rates. Noncore customers and marketers may obtain, and pay for, firm backbone transmission capacity at various receipt points on the SoCalGas system. A

certain amount of backbone transmission capacity is obtained for core customers to assure meeting their requirements.

Many if not most noncore customers now use a marketer to provide for several of the services formerly provided by the utility. That is, a noncore customer may simply arrange for a marketer to procure its supplies, and obtain any needed storage and backbone transmission capacity, in order to assure that it will receive its needed deliveries of natural gas supplies. Core customers still mainly rely on the utilities for procurement service, but they have the option to take procurement service from a CTA. Backbone transmission and storage capacity is either set aside or obtained for core customers in amounts to assure very high levels of service.

In order properly operate their natural gas transmission pipeline and storage systems, PG&E and SoCalGas must balance the amount of gas received into the pipeline system and delivered to customers or to storage fields. Some of these utilities' storage capacity is dedicated to this service, and under most circumstances, customers do not need to precisely match their deliveries with their consumption. However, when too much or too little gas is expected to be delivered into the utilities' systems, relative to the amount being consumed, the utilities require customers to more precisely match up their deliveries with their consumption. And, if customers do not meet certain delivery requirements, they could face financial penalties. The utilities do not profit from these financial penalties - the amounts are then returned to customers as a whole. If the utilities find that they are unable to deliver all the gas that is expected to be consumed, they may even call for a curtailment of some gas deliveries. These curtailments are typically required for just the largest, noncore customers. It has been many years since there has been a significant curtailment of core customers in California." (12)

As indicated in the preceding discussions, natural gas is available from a variety of in-state and out-of-state sources and is provided throughout the state in response to market supply and demand. Complementing available natural gas resources, biogas may soon be available via existing delivery systems, thereby increasing the availability and reliability of resources in total. The CPUC oversees utility purchases and transmission of natural gas to ensure reliable and affordable natural gas deliveries to existing and new consumers throughout the State.

Based on information provided by the Project applicant, no natural gas would be used as a result of the Project, and as such use of natural gas is not considered in the analysis.

2.4 TRANSPORTATION ENERGY RESOURCES

The Project would generate additional vehicle trips with resulting consumption of energy resources, predominantly gasoline and diesel fuel. The Department of Motor Vehicles (DMV) identified 36.2 million registered vehicles in California (13), and those vehicles consume an estimated 17.2 billion gallons of fuel each year¹. Gasoline (and other vehicle fuels) are

¹ Fuel consumptions estimated utilizing information from EMFAC2021.

commercially provided commodities and would be available to the Project patrons and employees via commercial outlets.

California's on-road transportation system includes 396,616 lane miles, more than 26.6 million passenger vehicles and light trucks, and almost 9.0 million medium- and heavy-duty vehicles (13). While gasoline consumption has been declining since 2008 it is still by far the dominant fuel. California is the second-largest consumer of petroleum products, after Texas, and accounts for 10% of the nation's total consumption. The state is the largest U.S. consumer of motor gasoline and jet fuel, and 85% of the petroleum consumed in California is used in the transportation sector (14).

California accounts for less than 1% of total U.S. natural gas reserves and production. As with crude oil, California's natural gas production has experienced a gradual decline since 1985. In 2019, about 37% of the natural gas delivered to consumers went to the state's industrial sector, and about 28% was delivered to the electric power sector. Natural gas fueled more than two-fifths of the state's utility-scale electricity generation in 2019. The residential sector, where two-thirds of California households use natural gas for home heating, accounted for 22% of natural gas deliveries. The commercial sector received 12% of the deliveries to end users and the transportation sector consumed the remaining 1% (14).

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3 REGULATORY BACKGROUND

Federal and state agencies regulate energy use and consumption through various means and programs. On the federal level, the United States Department of Transportation, the United States Department of Energy, and the United States Environmental Protection Agency (EPA) are three federal agencies with substantial influence over energy policies and programs. On the state level, the CPUC and the CEC are two agencies with authority over different aspects of energy. Relevant federal and state energy-related laws and plans are summarized below.

3.1 FEDERAL REGULATIONS

3.1.1 INTERMODAL SURFACE TRANSPORTATION EFFICIENCY ACT OF 1991 (ISTEA)

ISTEA promoted the development of inter-modal transportation systems to maximize mobility as well as address national and local interests in air quality and energy. ISTEA contained factors that Metropolitan Planning Organizations (MPOs) were to address in developing transportation plans and programs, including some energy-related factors. To meet the new ISTEA requirements, MPOs adopted explicit policies defining the social, economic, energy, and environmental values guiding transportation decisions.

3.1.2 THE TRANSPORTATION EQUITY ACT FOR THE 21ST CENTURY (TEA-21)

TEA-21 was signed into law in 1998 and builds upon the initiatives established in the ISTEA legislation, discussed above. TEA-21 authorizes highway, highway safety, transit, and other efficient surface transportation programs. TEA-21 continues the program structure established for highways and transit under ISTEA, such as flexibility in the use of funds, emphasis on measures to improve the environment, and focus on a strong planning process as the foundation of good transportation decisions. TEA-21 also provides for investment in research and its application to maximize the performance of the transportation system through, for example, deployment of Intelligent Transportation Systems, to help improve operations and management of transportation systems and vehicle safety.

3.2 CALIFORNIA REGULATIONS

3.2.1 INTEGRATED ENERGY POLICY REPORT (IEPR)

Senate Bill 1389 (Bowen, Chapter 568, Statutes of 2002) requires the CEC to prepare a biennial integrated energy policy report that assesses major energy trends and issues facing the state's electricity, natural gas, and transportation fuel sectors and provides policy recommendations to conserve resources; protect the environment; ensure reliable, secure, and diverse energy supplies; enhance the state's economy; and protect public health and safety (Public Resources Code § 25301[a]). The CEC prepares these assessments and associated policy recommendations every two years, with updates in alternate years, as part of the Integrated Energy Policy Report.

The 2021 IEPR was adopted February 2022, and continues to work towards improving electricity, natural gas, and transportation fuel energy use in California. The 2021 IEPR provides the results

of the CEC’s assessments of a variety of energy issues facing California. Many of these issues will require action if the state is to meet its climate, energy, air quality, and other environmental goals while maintaining reliability and controlling costs. Additionally, the 2021 IEPR provides the results of the CEC’s assessments of a variety of energy issues facing California. Many of these issues will require action if the state is to meet its climate, energy, air quality, and other environmental goals while maintaining reliability and controlling costs (15).

3.2.2 STATE OF CALIFORNIA ENERGY PLAN

The CEC is responsible for preparing the State Energy Plan, which identifies emerging trends related to energy supply, demand, conservation, public health and safety, and the maintenance of a healthy economy. The Plan calls for the state to assist in the transformation of the transportation system to improve air quality, reduce congestion, and increase the efficient use of fuel supplies with the least environmental and energy costs. To further this policy, the plan identifies several strategies, including assistance to public agencies and fleet operators and encouragement of urban designs that reduce vehicle miles traveled (VMT) and accommodate pedestrian and bicycle access.

3.2.3 CALIFORNIA CODE TITLE 24, PART 6, ENERGY EFFICIENCY STANDARDS

California Code of Regulations (CCR) Title 24 Part 6: The California Energy Code was first adopted in 1978 in response to a legislative mandate to reduce California’s energy consumption.

The standards are updated periodically to allow consideration and possible incorporation of new energy efficient technologies and methods. CCR, Title 24, Part 11: California Green Building Standards Code (CALGreen) is a comprehensive and uniform regulatory code for all residential, commercial, and school buildings that went in effect on August 1, 2009, and is administered by the California Building Standards Commission.

CALGreen is updated on a regular basis, with the most recent approved update consisting of the 2022 California Green Building Code Standards that will be effective on January 1, 2023². The Project would be required to comply with the applicable standards in place at the time plan check submittals are made (16).

3.2.4 AB 1493 PAVLEY REGULATIONS AND FUEL EFFICIENCY STANDARDS

California AB 1493, enacted on July 22, 2002, required CARB to develop and adopt regulations that reduce GHGs emitted by passenger vehicles and light duty trucks. Under this legislation, CARB adopted regulations to reduce GHG emissions from non-commercial passenger vehicles (cars and light-duty trucks). Although aimed at reducing GHG emissions, specifically, a co-benefit of the Pavley standards is an improvement in fuel efficiency and consequently a reduction in fuel consumption.

² The 2022 California Green Building Standard Code will be published July 1, 2022.

3.2.5 CALIFORNIA'S RENEWABLE PORTFOLIO STANDARD (RPS)

First established in 2002 under Senate Bill (SB) 1078, California's Renewable Portfolio Standards (RPS) requires retail sellers of electric services to increase procurement from eligible renewable resources to 33% of total retail sales by 2020 (17).

3.2.6 CLEAN ENERGY AND POLLUTION REDUCTION ACT OF 2015 (SB 350)

In October 2015, the legislature approved, and the Governor signed SB 350, which reaffirms California's commitment to reducing its GHG emissions and addressing climate change. Key provisions include an increase in the renewables portfolio standard (RPS), higher energy efficiency requirements for buildings, initial strategies towards a regional electricity grid, and improved infrastructure for electric vehicle charging stations. Specifically, SB 350 requires the following to reduce statewide GHG emissions:

- Increase the amount of electricity procured from renewable energy sources from 33% to 50% by 2030, with interim targets of 40% by 2024, and 25% by 2027.
- Double the energy efficiency in existing buildings by 2030. This target will be achieved through the California Public Utility Commission (CPUC), the CEC, and local publicly owned utilities.
- Reorganize the Independent System Operator (ISO) to develop more regional electrify transmission markets and to improve accessibility in these markets, which will facilitate the growth of renewable energy markets in the western United States (California Leginfo 2015).

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4 PROJECT ENERGY DEMANDS AND ENERGY EFFICIENCY MEASURES

4.1 EVALUATION CRITERIA

In compliance with Appendix G of the *State CEQA Guidelines* (18), this report analyzes the project's anticipated energy use during construction and operations to determine if the Project would:

- Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation; or
- Conflict with or obstruct a state or local plan for renewable energy or energy efficiency.

In addition, Appendix F of the *State CEQA Guidelines* (19), states that the means of achieving the goal of energy conservation includes the following:

- Decreasing overall per capita energy consumption;
- Decreasing reliance on fossil fuels such as coal, natural gas and oil; and
- Increasing reliance on renewable energy sources.

4.2 METHODOLOGY

Information from the CalEEMod Version 2020.4.0 outputs for the *7400 Slauson Avenue Air Quality Impact Analysis* (AQIA) (20) was utilized in this analysis, detailing Project related construction equipment, transportation energy demands, and facility energy demands.

4.2.1 CAL EEMOD

In May 2021, the SCAQMD, in conjunction with the California Air Pollution Control Officers Association (CAPCOA) and other California air districts, released the latest version of the CalEEMod Version 2020.4.0. The purpose of this model is to calculate construction-source and operational-source criteria pollutants and GHG emissions from direct and indirect sources as well as energy usage (21). Accordingly, the latest version of CalEEMod has been used to determine the proposed Project's anticipated transportation and facility energy demands. Output from the annual construction and operational model runs are provided in Appendices 4.1 through 4.3.

4.2.2 EMISSION FACTORS MODEL

On November 15, 2023, the EPA approved the 2021 version of the EMISSIONS FACTOR model (EMFAC) web database for use in State Implementation Plan and transportation conformity analyses. EMFAC2021 is a mathematical model that was developed to calculate emission rates, fuel consumption, VMT from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by the CARB to project changes in future emissions from on-road mobile sources (22). This energy study utilizes the different fuel types for each vehicle class from the annual EMFAC2021 emission inventory in order to derive the average vehicle fuel economy which is then used to determine the estimated annual fuel consumption associated with vehicle usage during Project construction and operational activities. For purposes of

analysis, the 2024 analysis year were utilized to determine the average vehicle fuel economy used throughout the duration of the Project.

4.3 CONSTRUCTION ENERGY DEMANDS

The focus within this section is the energy implications of the construction process, specifically the power cost from on-site electricity consumption during construction of the proposed Project.

4.3.1 CONSTRUCTION POWER COST

The total Project construction power costs is the summation of the products of the area (sf) by the construction duration and the typical power cost.

CONSTRUCTION DURATION

For purposes of analysis, construction of Project is expected to commence in January 2024 and be completed in December 2024 (20). The construction schedule utilized in the analysis, shown in Table 4-1, represents a “worst-case” analysis scenario. The duration of construction activity and associated equipment represents a reasonable approximation of the expected construction fleet as required per *CEQA Guidelines* (23).

TABLE 4-1: CONSTRUCTION DURATION

Phase Name	Start Date	End Date	Days
Demolition/Crushing	01/01/2024	01/26/2024	20
Site Preparation	01/27/2024	02/09/2024	10
Grading	02/10/2024	03/22/2024	30
Building Construction/Concrete Pours	03/23/2024	12/27/2024	200
Paving	12/01/2024	12/27/2024	20
Architectural Coating	11/02/2024	12/27/2024	40

PROJECT CONSTRUCTION POWER COST

The *2023 National Construction Estimator* identifies a typical power cost per 1,000 sf of construction per month of \$2.50, which was used to calculate the Project’s total construction power cost (24). As shown on Table 4-2, the total power cost of the on-site electricity usage during the construction of the Project is estimated to be approximately \$16,695.86.

4.3.2 CONSTRUCTION ELECTRICITY USAGE

The total Project construction electricity usage is the summation of the products of the power cost (estimated in Table 4-2) by the utility provider cost per kilowatt hour (kWh) of electricity.

TABLE 4-2: CONSTRUCTION POWER COST

Land Use	Power Cost (per 1,000 SF)	Size (1,000 SF)	Construction Duration (months)	Project Construction Power Cost
General Light Industrial (40%)	\$2.50	118.466	11	\$3,257.83
Warehousing (60%)	\$2.50	177.700	11	\$4,886.74
Parking	\$2.50	77.760	11	\$2,138.40
Landscape	\$2.50	5.832	11	\$160.38
Other Asphalt Surfaces	\$2.50	227.364	11	\$6,252.51
CONSTRUCTION POWER COST				\$16,695.86

PROJECT CONSTRUCTION ELECTRICITY USAGE

The SCE's general service rate schedule was used to determine the Project's electrical usage. As of January 1, 2023, SCE's general service rate is \$0.13 per kilowatt hours (kWh) of electricity for industrial services (25). As shown on Table 4-3, the total electricity usage from on-site Project construction related activities is estimated to be approximately 132,559 kWh.

TABLE 4-3: CONSTRUCTION ELECTRICITY USAGE

Land Use	Cost per kWh	Project Construction Electricity Usage (kWh)
General Light Industrial (40%)	\$0.13	25,866
Warehousing (60%)	\$0.13	38,799
Parking	\$0.13	16,978
Landscape	\$0.13	1,273
Other Asphalt Surfaces	\$0.13	49,643
CONSTRUCTION ELECTRICITY USAGE		132,559

4.3.3 CONSTRUCTION EQUIPMENT FUEL ESTIMATES

Fuel consumed by construction equipment would be the primary energy resource expended over the course of Project construction.

CONSTRUCTION EQUIPMENT

A summary of construction equipment by phase is provided at Table 4-4. Consistent with industry standards and typical construction practices, each piece of equipment listed in Table 4-4 will operate up to a total of eight (8) hours per day, or more than two-thirds of the period during which construction activities are allowed pursuant to the City of Commerce Municipal Code.

TABLE 4-4: CONSTRUCTION EQUIPMENT ASSUMPTIONS

Phase Name	Equipment	Amount	Hours Per Day
Demolition	Concrete/Industrial Saws	1	8
	Crushing/Proc. Equipment	1	8
	Excavators	3	8
	Rubber Tired Dozers	2	8
Site Preparation	Crawler Tractors	4	8
	Rubber Tired Dozers	3	8
Grading	Crawler Tractors	2	8
	Excavators	2	8
	Graders	1	8
	Rubber Tired Dozers	1	8
	Scrapers	2	8
Building Construction	Cranes	1	8
	Forklifts	3	8
	Generator Sets	1	8
	Tractors/Loaders/Backhoes	3	8
	Welders	1	8
Paving	Pavers	2	8
	Paving Equipment	2	8
	Rollers	2	8
Architectural Coating	Air Compressors	1	8

PROJECT CONSTRUCTION EQUIPMENT FUEL CONSUMPTION

Project construction activity timeline estimates, construction equipment schedules, equipment power ratings, load factors, and associated fuel consumption estimates are presented in Table 4-5. The aggregate fuel consumption rate for all equipment is estimated at 18.5 horsepower hour per gallon (hp-hr-gal.), obtained from CARB 2018 Emissions Factors Tables and cited fuel consumption rate factors presented in Table D-24 of the Moyer guidelines (26). For the purposes of this analysis, the calculations are based on all construction equipment being diesel-powered which is consistent with industry standards. Diesel fuel would be supplied by existing commercial fuel providers serving the Project area and region³. As presented in Table 4-5, Project construction activities would consume an estimated 47,810 gallons of diesel fuel.

³ Based on Appendix A of the CalEEMod User's Guide, Construction consists of several types of off-road equipment. Since the majority of the off-road construction equipment used for construction projects are diesel fueled, CalEEMod assumes all of the equipment operates on diesel fuel.

TABLE 4-5: CONSTRUCTION EQUIPMENT FUEL CONSUMPTION ESTIMATES

Phase Name	Duration (Days)	Equipment	HP Rating	Quantity	Usage Hours	Load Factor	HP-hrs/day	Total Fuel Consumption
Demolition	20	Concrete/Industrial Saws	81	1	8	0.73	473	511
		Crushing/Proc. Equipment	85	1	8	0.78	530	573
		Excavators	158	3	8	0.38	1,441	1,558
		Rubber Tired Dozers	247	2	8	0.40	1,581	1,709
Site Preparation	10	Crawler Tractors	212	4	8	0.43	2,917	1,577
		Rubber Tired Dozers	247	3	8	0.40	2,371	1,282
Grading	30	Crawler Tractors	212	2	8	0.43	1,459	2,365
		Excavators	158	2	8	0.38	961	1,558
		Graders	187	1	8	0.41	613	995
		Rubber Tired Dozers	247	1	8	0.40	790	1,282
		Scrapers	367	2	8	0.48	2,819	4,571
Building Construction	200	Cranes	231	1	8	0.29	536	5,794
		Forklifts	89	3	8	0.20	427	4,618
		Generator Sets	84	1	8	0.74	497	5,376
		Tractors/Loaders/Backhoes	97	3	8	0.37	861	9,312
		Welders	46	1	8	0.45	166	1,790
Paving	20	Pavers	130	2	8	0.42	874	944
		Paving Equipment	132	2	8	0.36	760	822
		Rollers	80	2	8	0.38	486	526
Architectural Coating	40	Air Compressors	78	1	8	0.48	300	648
CONSTRUCTION FUEL DEMAND (GALLONS DIESEL FUEL)								47,810

Project construction would represent a “single-event” diesel fuel demand and would not require on-going or permanent commitment of diesel fuel resources for this purpose.

4.3.4 CONSTRUCTION TRIPS AND VMT

Construction generates on-road vehicle emissions from vehicle usage for workers, hauling, and vendors commuting to and from the site. The number of workers, hauling, and vendor trips are presented below in Table 4-6.

TABLE 4-6: CONSTRUCTION TRIPS AND VMT

Phase Name	Worker Trips Per Day	Vendor Trips Per Day	Vendor Trips Per Day
Demolition/Crushing	18	8	58
Site Preparation	18	4	0
Grading	20	11	118
Building Construction/Concrete Pours	255	76	4
Paving	15	0	0
Architectural Coating	51	0	0

4.3.5 CONSTRUCTION WORKER FUEL ESTIMATES

With respect to estimated VMT for the Project, the construction worker trips would generate an estimated 805,119 VMT during the 11 months of construction (20). Based on CalEEMod methodology, it is assumed that 50% of all worker trips are from light-duty-auto vehicles (LDA), 25% are from light-duty-trucks with a gross vehicle weight rating (GVWR) of less than 6,000 lbs. and equivalent test weight (ETW) of less than or equal to 3,750 lbs (LDT1), and 25% are from light-duty-trucks with a GVWR of less than 6,000 lbs. and ETW between 3,751 lbs. and 5,750 lbs (LDT2). Data regarding Project related construction worker trips were based on CalEEMod defaults utilized within the AQIA. Vehicle fuel efficiencies for LDA, LDT1, and LDT2 were estimated using information generated within the 2017 version of the EMFAC developed by CARB. EMFAC2021 is a mathematical model that was developed to calculate emission rates, fuel consumption, and VMT from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by the CARB to project changes in future emissions from on-road mobile sources (22). EMFAC2021 was run for the LDA, LDT1, and LDT2 vehicle class within the California sub-area for the 2024 calendar year. Data from EMFAC2021 is shown in Appendix 4.4.

Table 4-7 provides the estimated annual fuel consumption from Project construction worker trips. Based on Table 4-7, it is estimated that 29,537 gallons of fuel will be consumed related to construction worker trips during full construction of the Project.

It should be noted that construction worker trips would represent a “single-event” gasoline fuel demand and would not require on-going or permanent commitment of fuel resources for this purpose.

TABLE 4-7: CONSTRUCTION WORKER FUEL CONSUMPTION ESTIMATES

Phase Name	Duration (Days)	Worker Trips/Day	Trip Length (miles)	VMT	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
LDA						
Demolition/Crushing	20	9	14.7	2,646	31.24	85
Site Preparation	10	9	14.7	1,323	31.24	42
Grading	30	10	14.7	4,410	31.24	141
Building Construction/ Concrete Pours	200	128	14.7	376,320	31.24	12,045
Paving	20	8	14.7	2,352	31.24	75
Architectural Coating	40	26	14.7	15,288	31.24	489
LDT1						
Demolition/Crushing	20	5	14.7	1,470	24.32	60
Site Preparation	10	5	14.7	735	24.32	30
Grading	30	5	14.7	2,205	24.32	91
Building Construction/ Concrete Pours	200	64	14.7	188,160	24.32	7,738
Paving	20	4	14.7	1,176	24.32	48
Architectural Coating	40	13	14.7	7,644	24.32	314
LDT2						
Demolition/Crushing	20	5	14.7	1,470	24.04	61
Site Preparation	10	5	14.7	735	24.04	31
Grading	30	5	14.7	2,205	24.04	92
Building Construction/ Concrete Pours	200	64	14.7	188,160	24.04	7,826
Paving	20	4	14.7	1,176	24.04	49
Building Construction	40	13	14.7	7,644	24.04	318
TOTAL CONSTRUCTION WORKER FUEL CONSUMPTION						29,537

4.3.6 CONSTRUCTION VENDOR AND HAULING FUEL ESTIMATES

With respect to estimated VMT, the construction vendor trips (vehicles that deliver materials to the site during construction) and hauling trips would generate an estimated 218,744 VMT along area roadways for the Project over the duration of construction activity (20). It is assumed that 50% of all vendor trips are from medium-heavy duty trucks (MHDT), 50% are from heavy-heavy duty trucks (HHDT), and 100% of hauling trips are from HHDTs. These assumptions are consistent with the CalEEMod defaults utilized within the within the AQIA (20). Vehicle fuel efficiencies for MHDTs and HHDTs were estimated using information generated within EMFAC2021. EMFAC2021

was run for the MHDT and HHDT vehicle classes within the California sub-area for the 2024 calendar year. Data from EMFAC2021 is shown in Appendix 4.4.

Based on Table 4-8, it is estimated that 34,408 gallons of fuel will be consumed related to construction vendor and hauling trips (MHDTs and HHDTs) during full construction of the Project.

It should be noted that Project construction vendor trips would represent a “single-event” diesel fuel demand and would not require on-going or permanent commitment of diesel fuel resources for this purpose.

TABLE 4-8: CONSTRUCTION VENDOR FUEL CONSUMPTION ESTIMATES – MHDT

Phase Name	Duration (Days)	Vendor Trips/Day	Trip Length (miles)	VMT	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
Vendor						
MHDT						
Demolition/Crushing	20	4	6.9	552	7.56	73
Site Preparation	10	2	6.9	138	7.56	18
Grading	30	6	6.9	1,242	7.56	164
Building Construction/ Concrete Pours	200	38	6.9	52,440	7.56	6,937
HHDT						
Demolition/Crushing	20	4	6.9	552	6.04	91
Site Preparation	10	2	6.9	138	6.04	23
Grading	30	6	6.9	1,242	6.04	206
Building Construction/ Concrete Pours	200	38	6.9	52,440	6.04	8,683
Hauling						
HHDT						
Demolition/Crushing	20	58	20	23,200	6.04	3,841
Grading	30	118	20	70,800	6.04	11,723
Building Construction/Concrete	200	4	20	16,000	6.04	2,649
TOTAL CONSTRUCTION VENDOR/HAULING FUEL CONSUMPTION						34,408

4.3.7 CONSTRUCTION ENERGY EFFICIENCY/CONSERVATION MEASURES

Starting in 2014, CARB adopted the nation's first regulation aimed at cleaning up off-road construction equipment such as bulldozers, graders, and backhoes. These requirements ensure fleets gradually turn over the oldest and dirtiest equipment to newer, cleaner models and prevent fleets from adding older, dirtier equipment. As such, the equipment used for Project

construction would conform to CARB regulations and California emissions standards. It should also be noted that there are no unusual Project characteristics or construction processes that would require the use of equipment that would be more energy intensive than is used for comparable activities; or equipment that would not conform to current emissions standards (and related fuel efficiencies). Equipment employed in construction of the Project would therefore not result in inefficient wasteful, or unnecessary consumption of fuel.

Construction contractors would be required to comply with applicable CARB regulation regarding retrofitting, repowering, or replacement of diesel off-road construction equipment. Additionally, CARB has adopted the Airborne Toxic Control Measure to limit heavy-duty diesel motor vehicle idling in order to reduce public exposure to diesel particulate matter and other Toxic Air Contaminants. Compliance with anti-idling and emissions regulations would result in a more efficient use of construction-related energy and the minimization or elimination of wasteful or unnecessary consumption of energy. Idling restrictions and the use of newer engines and equipment would result in less fuel combustion and energy consumption.

Additional construction-source energy efficiencies would occur due to required California regulations and best available control measures (BACM). For example, CCR Title 13, Motor Vehicles, section 2449(d)(3) Idling, limits idling times of construction vehicles to no more than five minutes, thereby precluding unnecessary and wasteful consumption of fuel due to unproductive idling of construction equipment. In this manner, construction equipment operators are required to be informed that engines are to be turned off at or prior to five minutes of idling. Enforcement of idling limitations is realized through periodic site inspections conducted by City building officials, and/or in response to citizen complaints.

A full analysis related to the energy needed to form construction materials is not included in this analysis due to a lack of detailed Project-specific information on construction materials. At this time, an analysis of the energy needed to create Project-related construction materials would be extremely speculative and thus has not been prepared.

In general, the construction processes promote conservation and efficient use of energy by reducing raw materials demands, with related reduction in energy demands associated with raw materials extraction, transportation, processing and refinement. Use of materials in bulk reduces energy demands associated with preparation and transport of construction materials as well as the transport and disposal of construction waste and solid waste in general, with corollary reduced demands on area landfill capacities and energy consumed by waste transport and landfill operations.

4.4 OPERATIONAL ENERGY DEMANDS

Energy consumption in support of or related to Project operations would include transportation energy demands (energy consumed by passenger car and truck vehicles accessing the Project site) and facilities energy demands (energy consumed by building operations and site maintenance activities).

4.4.1 TRANSPORTATION ENERGY DEMANDS

EXISTING TRANSPORTATION ENERGY DEMANDS

The site is currently occupied with 249,579 sf of warehouse use. The estimated transportation energy demands from the existing development are summarized on Table 4-9.

TABLE 4-9: TOTAL EXISTING TRAFFIC ANNUAL FUEL CONSUMPTION (ALL VEHICLES)

Vehicle Type	Annual VMT	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
LDA	1,171,751	31.24	37,506
LDT1	137,757	24.32	5,665
LDT2	406,730	24.04	16,917
MDV	274,083	19.71	13,903
MCY	53,549	41.21	1,299
LHDT1	746,136	15.32	48,717
LHDT2	200,183	14.66	13,656
MHDT	1,318,800	7.56	174,456
HHDT	670,114	6.04	110,953
TOTAL (ALL VEHICLES)	4,979,103		423,072

PROPOSED PROJECT TRANSPORTATION ENERGY DEMANDS

Energy that would be consumed by Project-generated traffic is a function of total VMT and estimated vehicle fuel economies of vehicles accessing the Project site. The VMT per vehicle class can be determined by evaluated in the vehicle fleet mix and the total VMT.

As with worker and vendors trips, operational vehicle fuel efficiencies were estimated using information generated within EMFAC2021 developed by CARB (22). EMFAC2021 was run for the Los Angeles (SC) area for the 2024 calendar year. Data from EMFAC2021 is shown in Appendix 4.4.

It should be noted that the existing development energy demands were subtracted from the Project to determine the new energy demands from the proposed Project. As summarized on Table 4-10 the Project will result in a net annual VMT of -567,748 and a net estimated annual fuel consumption of -97,382 gallons of fuel.

TABLE 4-10: TOTAL PROJECT-GENERATED TRAFFIC ANNUAL FUEL CONSUMPTION (ALL VEHICLES)

Vehicle Type	Annual VMT	Average Vehicle Fuel Economy (mpg)	Estimated Annual Fuel Consumption (gallons)
LDA	1,637,338	31.24	52,409
LDT1	192,494	24.32	7,916
LDT2	568,342	24.04	23,639
MDV	382,988	19.71	19,428
MCY	74,827	41.21	1,816
LHDT1	211,391	15.32	13,802
LHDT2	56,787	14.66	3,874
MHDT	309,898	7.56	40,994
HHDT	977,291	6.04	161,813
TOTAL (ALL VEHICLES)	4,411,355		325,690
<i>Existing Energy Demands</i>	<i>4,979,103</i>		<i>423,072</i>
NET ENERGY DEMANDS	-567,748		-97,382

4.4.2 FACILITY ENERGY DEMANDS**EXISTING FACILITY ENERGY DEMANDS**

The estimated facility energy demands from the existing development are summarized on Table 4-11.

TABLE 4-11: EXISTING ANNUAL ENERGY DEMAND SUMMARY

Land Use	Natural Gas Demand (kBTU/year)
Existing	214,638
TOTAL EXISTING NATURAL GAS DEMAND	214,638
Land Use	Electricity Demand (kWh/year)
Existing	955,888
TOTAL EXISTING ELECTRICITY DEMAND	955,888

kBTU – kilo-British Thermal Units

PROPOSED PROJECT FACILITY ENERGY DEMANDS

Project building operations activities would result in the consumption of natural gas and electricity. Natural gas would be supplied to the Project by SoCalGas; electricity would be supplied to the Project by SCE. As previously stated, the analysis herein assumes compliance with the 2022 Title 24 Standards. Annual natural gas and electricity demands of the Project are summarized in Tables 4-12.

TABLE 4-12: PROJECT ANNUAL ENERGY DEMAND SUMMARY

Land Use	Natural Gas Demand (kBTU/year)
General Light Industrial (40%)	2,127,650
Warehousing (60%)	152,822
Parking	0
Landscape	0
Other Asphalt Surfaces	0
TOTAL PROJECT NATURAL GAS DEMAND	2,280,472
<i>Existing Energy Demands</i>	<i>214,638</i>
NET NATURAL GAS DEMANDS	2,065,834
Land Use	Electricity Demand (kWh/year)
General Light Industrial (40%)	1,286,540
Warehousing (60%)	680,591
Parking	27,216
Landscape	0
Other Asphalt Surfaces	0
TOTAL PROJECT ELECTRICITY DEMAND	1,994,347
<i>Existing Energy Demands</i>	<i>955,888</i>
NET ELECTRICITY DEMANDS	1,038,459

4.4.3 OPERATIONAL ENERGY EFFICIENCY/CONSERVATION MEASURES

Energy efficiency/energy conservation attributes of the Project would be complemented by increasingly stringent state and federal regulatory actions addressing vehicle fuel economies and vehicle emissions standards; and enhanced building/utilities energy efficiencies mandated under California building codes (e.g., Title24, California Green Building Standards Code).

ENHANCED VEHICLE FUEL EFFICIENCIES

Project annual fuel consumption estimates presented previously in Table 4-10 represent likely potential maximums that would occur for the Project. Under subsequent future conditions, average fuel economies of vehicles accessing the Project site can be expected to improve as older, less fuel-efficient vehicles are removed from circulation, and in response to fuel economy and emissions standards imposed on newer vehicles entering the circulation system.

Enhanced fuel economies realized pursuant to federal and state regulatory actions, and related transition of vehicles to alternative energy sources (e.g., electricity, natural gas, biofuels, hydrogen cells) would likely decrease future gasoline fuel demands per VMT. Location of the

Project proximate to regional and local roadway systems tends to reduce VMT within the region, acting to reduce regional vehicle energy demands.

4.5 SUMMARY

4.5.1 CONSTRUCTION ENERGY DEMANDS

The estimated power cost of on-site electricity usage during the construction of the Project is assumed to be approximately \$16,695.86. Additionally, based on the assumed power cost, it is estimated that the total electricity usage during construction, after full Project build-out, is calculated to be approximately 132,559 kWh.

Construction equipment used by the Project would result in single event consumption of approximately 47,810 gallons of diesel fuel. Construction equipment use of fuel would not be atypical for the type of construction proposed because there are no aspects of the Project's proposed construction process that are unusual or energy-intensive, and Project construction equipment would conform to the applicable CARB emissions standards, acting to promote equipment fuel efficiencies.

CCR Title 13, Motor Vehicles, section 2449(d)(3) Idling, limits idling times of construction vehicles to no more than 5 minutes, thereby precluding unnecessary and wasteful consumption of fuel due to unproductive idling of construction equipment. BACMs inform construction equipment operators of this requirement. Enforcement of idling limitations is realized through periodic site inspections conducted by City building officials, and/or in response to citizen complaints.

Construction worker trips for full construction of the Project would result in the estimated fuel consumption of 29,537 gallons of fuel. Additionally, fuel consumption from construction vendor and hauling trips (MHDTs and HHDTs) will total approximately 34,408 gallons. Diesel fuel would be supplied by City and regional commercial vendors. Indirectly, construction energy efficiencies and energy conservation would be achieved using bulk purchases, transport and use of construction materials. The 2021 IEPR released by the CEC has shown that fuel efficiencies are getting better within on and off-road vehicle engines due to more stringent government requirements (27). As supported by the preceding discussions, Project construction energy consumption would not be considered inefficient, wasteful, or otherwise unnecessary.

4.5.2 OPERATIONAL ENERGY DEMANDS

TRANSPORTATION ENERGY DEMANDS

Annual vehicular trips and related VMT generated by the operation of the Project would result in a net fuel demand of -97,382 gallons of fuel.

Fuel would be provided by current and future commercial vendors. Trip generation and VMT generated by the Project are consistent with other industrial uses of similar scale and configuration, as reflected respectively in the Institute of Transportation Engineers (ITE) Trip Generation Manual (10th Ed., 2017); and CalEEMod. As such, Project operations would not result in excessive and wasteful vehicle trips and VMT, nor excess and wasteful vehicle energy consumption compared to other industrial uses.

It should be noted that the state strategy for the transportation sector for medium and heavy-duty trucks is focused on making trucks more efficient and expediting truck turnover rather than reducing VMT from trucks. This is in contrast to the passenger vehicle component of the transportation sector where both per-capita VMT reductions and an increase in vehicle efficiency are forecasted to be needed to achieve the overall state emissions reductions goals.

Heavy duty trucks involved in goods movements are generally controlled on the technology side and through fleet turnover of older trucks and engines to newer and cleaner trucks and engines. The first battery-electric heavy-heavy duty trucks are being tested this year and SCAQMD is looking to integrate this new technology into large-scale truck operations. The following state strategies reduce GHG emissions from the medium and heavy-duty trucks:

- CARB's Mobile Source Strategy focuses on reducing GHGs through the transition to zero and low emission vehicles and from medium-duty and heavy-duty trucks.
- CARB's Sustainable Freight Action Plan establishes a goal to improve freight efficiency by 25 percent by 2030, deploy over 100,000 freight vehicles and equipment capable of zero emission operation and maximize both zero and near-zero emission freight vehicles and equipment powered by renewable energy by 2030.
- CARB's Emissions Reduction Plan for Ports and Goods Movement (Goods Movement Plan) in California focuses on reducing heavy-duty truck-related emissions focus on establishment of emissions standards for trucks, fleet turnover, truck retrofits, and restriction on truck idling (CARB 2006). While the focus of Goods Movement Plan is to reduce criteria air pollutant and air toxic emissions, the strategies to reduce these pollutants would also generally have a beneficial effect in reducing GHG emissions.
- CARB's On-Road Truck and Bus Regulation (2010) requires diesel trucks and buses that operate in California to be upgraded to reduce emissions. Newer heavier trucks and buses must meet particulate matter filter requirements beginning January 1, 2012. Lighter and older heavier trucks must be replaced starting January 1, 2015. By January 1, 2023 nearly all trucks and buses will need to have 2010 model year engines or equivalent (28).
- CARB's Heavy-Duty (Tractor-Trailer) GHG Regulation requires SmartWay tractor trailers that include idle-reduction technologies, aerodynamic technologies, and low-rolling resistant tires that would reduce fuel consumption and associated GHG emissions.

Enhanced fuel economies realized pursuant to federal and state regulatory actions, and related transition of vehicles to alternative energy sources (e.g., electricity, natural gas, biofuels, hydrogen cells) would likely decrease future gasoline fuel demands per VMT. Location of the Project proximate to regional and local roadway systems tends to reduce VMT within the region, acting to reduce regional vehicle energy demands. The Project would implement sidewalks, facilitating and encouraging pedestrian access. Facilitating pedestrian and bicycle access would reduce VMT and associated energy consumption. In compliance with the California Green Building Standards Code and City requirements, the Project would promote the use of bicycles as an alternative mean of transportation by providing short-term and/or long-term bicycle parking accommodations. As supported by the preceding discussions, Project transportation energy consumption would not be considered inefficient, wasteful, or otherwise unnecessary.

FACILITY ENERGY DEMANDS

Project facility operational net energy demands are estimated at: 2,065,834 kBTU/year of natural gas; and 1,038,459 kWh/year of electricity. Natural gas would be supplied to the Project by SoCalGas; electricity would be supplied by SCE. The Project proposes conventional industrial uses reflecting contemporary energy efficient/energy conserving designs and operational programs. The Project does not propose uses that are inherently energy intensive and the energy demands in total would be comparable to other industrial uses of similar scale and configuration.

Lastly, the Project will comply with the applicable Title 24 standards. Compliance itself with applicable Title 24 standards will ensure that the Project energy demands would not be inefficient, wasteful, or otherwise unnecessary.

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5 CONCLUSIONS

5.1 ENERGY IMPACT 1

Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation.

As supported by the preceding analyses, Project construction and operations would not result in the inefficient, wasteful or unnecessary consumption of energy. The Project would therefore not cause or result in the need for additional energy producing or transmission facilities. The Project would not engage in wasteful or inefficient uses of energy and aims to achieve energy conservations goals within the State of California.

5.2 ENERGY IMPACT 2

Conflict with or obstruct a state or local plan for renewable energy or energy efficiency.

The Project's consistency with the applicable state and local plans is discussed below.

CONSISTENCY WITH ISTE A

Transportation and access to the Project site is provided by the local and regional roadway systems. The Project would not interfere with, nor otherwise obstruct intermodal transportation plans or projects that may be realized pursuant to the ISTE A because SCAG is not planning for intermodal facilities on or through the Project site.

CONSISTENCY WITH TEA-21

The Project site is located along major transportation corridors with proximate access to the Interstate freeway system. The site selected for the Project facilitates access, acts to reduce vehicle miles traveled and takes advantage of existing infrastructure systems. The Project supports the strong planning processes emphasized under TEA-21. The Project is therefore consistent with, and would not otherwise interfere with, nor obstruct implementation of TEA-21.

CONSISTENCY WITH IEPR

Electricity would be provided to the Project by SCE. SCE's *Clean Power and Electrification Pathway* (CPEP) white paper builds on existing state programs and policies. As such, the Project is consistent with, and would not otherwise interfere with, nor obstruct implementation the goals presented in the 2021 IEPR.

Additionally, the Project will comply with the applicable Title 24 standards which would ensure that the Project energy demands would not be inefficient, wasteful, or otherwise unnecessary. As such, development of the proposed Project would support the goals presented in the 20201 IEPR.

CONSISTENCY WITH STATE OF CALIFORNIA ENERGY PLAN

The Project site is located along major transportation corridors with proximate access to the Interstate freeway system. The site selected for the Project facilitates access and takes advantage of existing infrastructure systems. The Project therefore supports urban design and planning processes identified under the State of California Energy Plan, is consistent with, and would not otherwise interfere with, nor obstruct implementation of the State of California Energy Plan.

CONSISTENCY WITH CALIFORNIA CODE TITLE 24, PART 6, ENERGY EFFICIENCY STANDARDS

The 202247 version of Title 24 was adopted by the CEC and became effective on January 1, 2023. It should be noted that the analysis herein assumes compliance with the 2022 Title 24 Standards. It should be noted that the CEC anticipates that nonresidential buildings will use approximately 30% less energy compared to the prior code (29). As such, the CalEEMod defaults for Title 24 – Electricity and Lighting Energy were reduced by 30% in order to reflect consistency with the 2022 Title 24 standard.

CONSISTENCY WITH AB 1493

AB 1493 is not applicable to the Project as it is a statewide measure establishing vehicle emissions standards. No feature of the Project would interfere with implementation of the requirements under AB 1493.

CONSISTENCY WITH RPS

California's RPS is not applicable to the Project as it is a statewide measure that establishes a renewable energy mix. No feature of the Project would interfere with implementation of the requirements under RPS.

CONSISTENCY WITH SB 350

The proposed Project would use energy from SCE, which have committed to diversify their portfolio of energy sources by increasing energy from wind and solar sources. No feature of the Project would interfere with implementation of SB 350. Additionally, the Project would be designed and constructed to implement the energy efficiency measures for new industrial developments and would include several measures designed to reduce energy consumption.

As shown above, the Project would not conflict with any of the state or local plans. As such, a less than significant impact is expected.

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6 REFERENCES

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7 CERTIFICATIONS

The contents of this energy analysis report represent an accurate depiction of the environmental impacts associated with the proposed 7400 Slauson Avenue. The information contained in this energy analysis report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at hqureshi@urbanxroads.com.

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EDUCATION

Master of Science in Environmental Studies
California State University, Fullerton • May 2010

Bachelor of Arts in Environmental Analysis and Design
University of California, Irvine • June 2006

PROFESSIONAL AFFILIATIONS

AEP – Association of Environmental Planners
AWMA – Air and Waste Management Association
ASTM – American Society for Testing and Materials

PROFESSIONAL CERTIFICATIONS

Planned Communities and Urban Infill – Urban Land Institute • June 2011
Indoor Air Quality and Industrial Hygiene – EMSL Analytical • April 2008
Principles of Ambient Air Monitoring – California Air Resources Board • August 2007
AB2588 Regulatory Standards – Trinity Consultants • November 2006
Air Dispersion Modeling – Lakes Environmental • June 2006

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APPENDIX 4.1:

CALEEMOD PROJECT CONSTRUCTION EMISSIONS MODEL OUTPUTS

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7400 Slauson Avenue (Construction - Unmitigated)

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	118.47	1000sqft	2.72	118,466.00	0
Unrefrigerated Warehouse-No Rail	177.70	1000sqft	4.08	177,700.00	0
Other Asphalt Surfaces	227.36	1000sqft	5.22	227,364.00	0
Parking Lot	269.00	Space	1.79	77,760.00	0
City Park	0.13	Acre	0.13	5,382.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total Project Area is 13.94 acres

Construction Phase - Construction anticipated to begin in January 2024 and end in 2024

Off-road Equipment - Hours are based on an 8-hour workday

Off-road Equipment - Hours are based on an 8-hour workday

Off-road Equipment - This analysis assumes that concrete/asphalt material will be crushed on-site

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes

Off-road Equipment -

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes

Trips and VMT - Based on consultation with Project Team, the demolished material will not be hauled offsite but will be used on-site

Demolition -

Grading - Analysis assumes that up to 5 acres can be disturbed per day

Architectural Coating - Rule 1113

Vehicle Trips - Construction run only

Energy Use - Construction run only

Water And Wastewater - Construction run only

Solid Waste - Construction run only

Construction Off-road Equipment Mitigation - Rule 403

Off-road Equipment - Hours are based on an 8-hour workday

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstructionPhase	NumDays	300.00	200.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	PhaseEndDate	5/16/2025	12/27/2024
tblConstructionPhase	PhaseEndDate	7/11/2025	12/27/2024
tblConstructionPhase	PhaseEndDate	6/13/2025	12/27/2024
tblConstructionPhase	PhaseStartDate	6/14/2025	11/2/2024
tblConstructionPhase	PhaseStartDate	5/17/2025	12/1/2024
tblEnergyUse	LightingElect	3.10	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	1.91	0.00
tblEnergyUse	NT24E	5.75	0.00
tblEnergyUse	NT24E	1.34	0.00
tblEnergyUse	NT24NG	4.45	0.00
tblEnergyUse	NT24NG	0.03	0.00

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblEnergyUse	T24E	2.01	0.00
tblEnergyUse	T24E	0.58	0.00
tblEnergyUse	T24NG	13.51	0.00
tblEnergyUse	T24NG	0.83	0.00
tblGrading	AcresOfGrading	120.00	150.00
tblGrading	AcresOfGrading	35.00	50.00
tblGrading	MaterialImported	0.00	28,150.00
tblLandUse	LandUseSquareFeet	107,600.00	77,760.00
tblLandUse	LandUseSquareFeet	5,837.04	5,382.00
tblLandUse	LotAcreage	2.42	1.79
tblOffRoadEquipment	LoadFactor	0.43	0.43
tblOffRoadEquipment	LoadFactor	0.43	0.43
tblOffRoadEquipment	OffRoadEquipmentType		Crushing/Proc. Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	0.01	0.00
tblSolidWaste	SolidWasteGenerationRate	146.90	0.00
tblSolidWaste	SolidWasteGenerationRate	167.04	0.00
tblTripsAndVMT	HaulingTripNumber	1,936.00	1,135.00
tblTripsAndVMT	HaulingTripNumber	0.00	636.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	11.00
tblTripsAndVMT	VendorTripNumber	99.00	76.00

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	PR_TP	66.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	6.42	0.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	5.09	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	3.93	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	27,396,187.50	0.00
tblWater	IndoorWaterUseRate	41,093,125.00	0.00
tblWater	OutdoorWaterUseRate	154,892.58	0.00

2.0 Emissions Summary

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2024	3-31-2024	1.5040	1.5040
2	4-1-2024	6-30-2024	0.6725	0.6725
3	7-1-2024	9-30-2024	0.6799	0.6799
		Highest	1.5040	1.5040

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	tons/yr										MT/yr					
Area	1.2324	9.0000e-005	0.0101	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0197	0.0197	5.0000e-005	0.0000	0.0210
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.2324	9.0000e-005	0.0101	0.0000	0.0000	4.0000e-005	4.0000e-005	0.0000	4.0000e-005	4.0000e-005	0.0000	0.0197	0.0197	5.0000e-005	0.0000	0.0210

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

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	tons/yr										MT/yr					
Area	1.2324	9.0000e-005	0.0101	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0197	0.0197	5.0000e-005	0.0000	0.0210
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.2324	9.0000e-005	0.0101	0.0000	0.0000	4.0000e-005	4.0000e-005	0.0000	4.0000e-005	4.0000e-005	0.0000	0.0197	0.0197	5.0000e-005	0.0000	0.0210

	ROG	NOx	CO	SO2	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/Crushing	Demolition	1/1/2024	1/26/2024	5	20	
2	Site Preparation	Site Preparation	1/27/2024	2/9/2024	5	10	
3	Grading	Grading	2/10/2024	3/22/2024	5	30	

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4	Building Construction/Concrete Pours	Building Construction	3/23/2024	12/27/2024	5	200
5	Paving	Paving	12/1/2024	12/27/2024	5	20
6	Architectural Coating	Architectural Coating	11/2/2024	12/27/2024	5	40

Acres of Grading (Site Preparation Phase): 50

Acres of Grading (Grading Phase): 150

Acres of Paving: 7.01

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 444,249; Non-Residential Outdoor: 148,083; Striped Parking Area: 18,307 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition/Crushing	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition/Crushing	Crushing/Proc. Equipment	1	8.00	85	0.78
Demolition/Crushing	Excavators	3	8.00	158	0.38
Demolition/Crushing	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Crawler Tractors	4	8.00	212	0.43
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Crawler Tractors	2	8.00	212	0.43
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction/Concrete Pours	Cranes	1	8.00	231	0.29
Building Construction/Concrete Pours	Forklifts	3	8.00	89	0.20
Building Construction/Concrete Pours	Generator Sets	1	8.00	84	0.74
Building Construction/Concrete Pours	Tractors/Loaders/Backhoes	3	8.00	97	0.37

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Building Construction/Concrete Pours	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	8.00	78	0.48
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

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/Crushing	7	18.00	8.00	1,135.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	11.00	3,519.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction/Concrete	9	255.00	76.00	636.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	51.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition/Crushing - 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	tons/yr										MT/yr					
Fugitive Dust					0.2095	0.0000	0.2095	0.0317	0.0000	0.0317	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0267	0.2367	0.2403	4.6000e-004		0.0109	0.0109		0.0102	0.0102	0.0000	40.0246	40.0246	9.8500e-003	0.0000	40.2708
Total	0.0267	0.2367	0.2403	4.6000e-004	0.2095	0.0109	0.2204	0.0317	0.0102	0.0420	0.0000	40.0246	40.0246	9.8500e-003	0.0000	40.2708

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	tons/yr										MT/yr					
Hauling	1.1900e-003	0.0782	0.0202	3.3000e-004	9.7600e-003	4.7000e-004	0.0102	2.6800e-003	4.5000e-004	3.1300e-003	0.0000	32.6320	32.6320	1.8400e-003	5.1800e-003	34.2228
Vendor	9.0000e-005	3.2300e-003	1.1800e-003	1.0000e-005	5.0000e-004	2.0000e-005	5.2000e-004	1.5000e-004	1.0000e-005	1.6000e-004	0.0000	1.4328	1.4328	5.0000e-005	2.1000e-004	1.4955
Worker	5.3000e-004	4.1000e-004	5.7300e-003	2.0000e-005	1.9700e-003	1.0000e-005	1.9800e-003	5.2000e-004	1.0000e-005	5.3000e-004	0.0000	1.5571	1.5571	4.0000e-005	4.0000e-005	1.5693
Total	1.8100e-003	0.0819	0.0271	3.6000e-004	0.0122	5.0000e-004	0.0127	3.3500e-003	4.7000e-004	3.8200e-003	0.0000	35.6218	35.6218	1.9300e-003	5.4300e-003	37.2876

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3.2 Demolition/Crushing - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0817	0.0000	0.0817	0.0124	0.0000	0.0124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0267	0.2367	0.2403	4.6000e-004		0.0109	0.0109		0.0102	0.0102	0.0000	40.0245	40.0245	9.8500e-003	0.0000	40.2708
Total	0.0267	0.2367	0.2403	4.6000e-004	0.0817	0.0109	0.0926	0.0124	0.0102	0.0226	0.0000	40.0245	40.0245	9.8500e-003	0.0000	40.2708

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	tons/yr										MT/yr					
Hauling	1.1900e-003	0.0782	0.0202	3.3000e-004	9.7600e-003	4.7000e-004	0.0102	2.6800e-003	4.5000e-004	3.1300e-003	0.0000	32.6320	32.6320	1.8400e-003	5.1800e-003	34.2228
Vendor	9.0000e-005	3.2300e-003	1.1800e-003	1.0000e-005	5.0000e-004	2.0000e-005	5.2000e-004	1.5000e-004	1.0000e-005	1.6000e-004	0.0000	1.4328	1.4328	5.0000e-005	2.1000e-004	1.4955
Worker	5.3000e-004	4.1000e-004	5.7300e-003	2.0000e-005	1.9700e-003	1.0000e-005	1.9800e-003	5.2000e-004	1.0000e-005	5.3000e-004	0.0000	1.5571	1.5571	4.0000e-005	4.0000e-005	1.5693
Total	1.8100e-003	0.0819	0.0271	3.6000e-004	0.0122	5.0000e-004	0.0127	3.3500e-003	4.7000e-004	3.8200e-003	0.0000	35.6218	35.6218	1.9300e-003	5.4300e-003	37.2876

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3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1168	0.0000	0.1168	0.0525	0.0000	0.0525	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0189	0.2016	0.0909	2.8000e-004		8.4900e-003	8.4900e-003		7.8100e-003	7.8100e-003	0.0000	24.9797	24.9797	8.0800e-003	0.0000	25.1817
Total	0.0189	0.2016	0.0909	2.8000e-004	0.1168	8.4900e-003	0.1253	0.0525	7.8100e-003	0.0603	0.0000	24.9797	24.9797	8.0800e-003	0.0000	25.1817

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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	8.1000e-004	3.0000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.3582	0.3582	1.0000e-005	5.0000e-005	0.3739
Worker	2.7000e-004	2.0000e-004	2.8600e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.7785	0.7785	2.0000e-005	2.0000e-005	0.7847
Total	2.9000e-004	1.0100e-003	3.1600e-003	1.0000e-005	1.1200e-003	1.0000e-005	1.1200e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	1.1367	1.1367	3.0000e-005	7.0000e-005	1.1585

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3.3 Site Preparation - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0456	0.0000	0.0456	0.0205	0.0000	0.0205	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0189	0.2016	0.0909	2.8000e-004		8.4900e-003	8.4900e-003		7.8100e-003	7.8100e-003	0.0000	24.9797	24.9797	8.0800e-003	0.0000	25.1816
Total	0.0189	0.2016	0.0909	2.8000e-004	0.0456	8.4900e-003	0.0541	0.0205	7.8100e-003	0.0283	0.0000	24.9797	24.9797	8.0800e-003	0.0000	25.1816

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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	8.1000e-004	3.0000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.3582	0.3582	1.0000e-005	5.0000e-005	0.3739
Worker	2.7000e-004	2.0000e-004	2.8600e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.7785	0.7785	2.0000e-005	2.0000e-005	0.7847
Total	2.9000e-004	1.0100e-003	3.1600e-003	1.0000e-005	1.1200e-003	1.0000e-005	1.1200e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	1.1367	1.1367	3.0000e-005	7.0000e-005	1.1585

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3.4 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1715	0.0000	0.1715	0.0585	0.0000	0.0585	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0566	0.5843	0.4147	1.0700e-003		0.0236	0.0236		0.0217	0.0217	0.0000	94.1560	94.1560	0.0305	0.0000	94.9173
Total	0.0566	0.5843	0.4147	1.0700e-003	0.1715	0.0236	0.1950	0.0585	0.0217	0.0802	0.0000	94.1560	94.1560	0.0305	0.0000	94.9173

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	tons/yr										MT/yr					
Hauling	3.6900e-003	0.2426	0.0627	1.0100e-003	0.0303	1.4600e-003	0.0317	8.3200e-003	1.4000e-003	9.7100e-003	0.0000	101.1736	101.1736	5.7000e-003	0.0161	106.1058
Vendor	1.8000e-004	6.6600e-003	2.4400e-003	3.0000e-005	1.0400e-003	3.0000e-005	1.0700e-003	3.0000e-004	3.0000e-005	3.3000e-004	0.0000	2.9551	2.9551	1.0000e-004	4.3000e-004	3.0844
Worker	8.9000e-004	6.8000e-004	9.5500e-003	3.0000e-005	3.2900e-003	2.0000e-005	3.3100e-003	8.7000e-004	2.0000e-005	8.9000e-004	0.0000	2.5951	2.5951	6.0000e-005	6.0000e-005	2.6155
Total	4.7600e-003	0.2499	0.0747	1.0700e-003	0.0346	1.5100e-003	0.0361	9.4900e-003	1.4500e-003	0.0109	0.0000	106.7237	106.7237	5.8600e-003	0.0166	111.8058

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3.4 Grading - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0669	0.0000	0.0669	0.0228	0.0000	0.0228	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0566	0.5843	0.4147	1.0700e-003		0.0236	0.0236		0.0217	0.0217	0.0000	94.1559	94.1559	0.0305	0.0000	94.9172
Total	0.0566	0.5843	0.4147	1.0700e-003	0.0669	0.0236	0.0904	0.0228	0.0217	0.0445	0.0000	94.1559	94.1559	0.0305	0.0000	94.9172

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	tons/yr										MT/yr					
Hauling	3.6900e-003	0.2426	0.0627	1.0100e-003	0.0303	1.4600e-003	0.0317	8.3200e-003	1.4000e-003	9.7100e-003	0.0000	101.1736	101.1736	5.7000e-003	0.0161	106.1058
Vendor	1.8000e-004	6.6600e-003	2.4400e-003	3.0000e-005	1.0400e-003	3.0000e-005	1.0700e-003	3.0000e-004	3.0000e-005	3.3000e-004	0.0000	2.9551	2.9551	1.0000e-004	4.3000e-004	3.0844
Worker	8.9000e-004	6.8000e-004	9.5500e-003	3.0000e-005	3.2900e-003	2.0000e-005	3.3100e-003	8.7000e-004	2.0000e-005	8.9000e-004	0.0000	2.5951	2.5951	6.0000e-005	6.0000e-005	2.6155
Total	4.7600e-003	0.2499	0.0747	1.0700e-003	0.0346	1.5100e-003	0.0361	9.4900e-003	1.4500e-003	0.0109	0.0000	106.7237	106.7237	5.8600e-003	0.0166	111.8058

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3.5 Building Construction/Concrete Pours - 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	tons/yr										MT/yr					
Off-Road	0.1567	1.4425	1.7227	2.8800e-003		0.0657	0.0657		0.0617	0.0617	0.0000	248.4518	248.4518	0.0602	0.0000	249.9567
Total	0.1567	1.4425	1.7227	2.8800e-003		0.0657	0.0657		0.0617	0.0617	0.0000	248.4518	248.4518	0.0602	0.0000	249.9567

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	tons/yr										MT/yr					
Hauling	6.7000e-004	0.0438	0.0113	1.8000e-004	5.4700e-003	2.6000e-004	5.7400e-003	1.5000e-003	2.5000e-004	1.7600e-003	0.0000	18.2854	18.2854	1.0300e-003	2.9000e-003	19.1768
Vendor	8.3100e-003	0.3069	0.1122	1.3900e-003	0.0479	1.4800e-003	0.0494	0.0138	1.4200e-003	0.0152	0.0000	136.1117	136.1117	4.6400e-003	0.0196	142.0706
Worker	0.0756	0.0574	0.8114	2.3600e-003	0.2794	1.6500e-003	0.2811	0.0742	1.5200e-003	0.0757	0.0000	220.5827	220.5827	5.3600e-003	5.3800e-003	222.3203
Total	0.0845	0.4081	0.9350	3.9300e-003	0.3328	3.3900e-003	0.3362	0.0895	3.1900e-003	0.0927	0.0000	374.9797	374.9797	0.0110	0.0279	383.5677

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3.5 Building Construction/Concrete Pours - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1567	1.4425	1.7227	2.8800e-003		0.0657	0.0657		0.0617	0.0617	0.0000	248.4515	248.4515	0.0602	0.0000	249.9564
Total	0.1567	1.4425	1.7227	2.8800e-003		0.0657	0.0657		0.0617	0.0617	0.0000	248.4515	248.4515	0.0602	0.0000	249.9564

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	tons/yr										MT/yr					
Hauling	6.7000e-004	0.0438	0.0113	1.8000e-004	5.4700e-003	2.6000e-004	5.7400e-003	1.5000e-003	2.5000e-004	1.7600e-003	0.0000	18.2854	18.2854	1.0300e-003	2.9000e-003	19.1768
Vendor	8.3100e-003	0.3069	0.1122	1.3900e-003	0.0479	1.4800e-003	0.0494	0.0138	1.4200e-003	0.0152	0.0000	136.1117	136.1117	4.6400e-003	0.0196	142.0706
Worker	0.0756	0.0574	0.8114	2.3600e-003	0.2794	1.6500e-003	0.2811	0.0742	1.5200e-003	0.0757	0.0000	220.5827	220.5827	5.3600e-003	5.3800e-003	222.3203
Total	0.0845	0.4081	0.9350	3.9300e-003	0.3328	3.3900e-003	0.3362	0.0895	3.1900e-003	0.0927	0.0000	374.9797	374.9797	0.0110	0.0279	383.5677

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3.6 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	tons/yr										MT/yr					
Off-Road	9.8800e-003	0.0953	0.1463	2.3000e-004		4.6900e-003	4.6900e-003		4.3100e-003	4.3100e-003	0.0000	20.0265	20.0265	6.4800e-003	0.0000	20.1885
Paving	9.1800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0191	0.0953	0.1463	2.3000e-004		4.6900e-003	4.6900e-003		4.3100e-003	4.3100e-003	0.0000	20.0265	20.0265	6.4800e-003	0.0000	20.1885

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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0000
Worker	4.4000e-004	3.4000e-004	4.7700e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.2976	1.2976	3.0000e-005	3.0000e-005	1.3078
Total	4.4000e-004	3.4000e-004	4.7700e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.2976	1.2976	3.0000e-005	3.0000e-005	1.3078

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3.6 Paving - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.8800e-003	0.0953	0.1463	2.3000e-004		4.6900e-003	4.6900e-003		4.3100e-003	4.3100e-003	0.0000	20.0265	20.0265	6.4800e-003	0.0000	20.1884
Paving	9.1800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0191	0.0953	0.1463	2.3000e-004		4.6900e-003	4.6900e-003		4.3100e-003	4.3100e-003	0.0000	20.0265	20.0265	6.4800e-003	0.0000	20.1884

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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0000
Worker	4.4000e-004	3.4000e-004	4.7700e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.2976	1.2976	3.0000e-005	3.0000e-005	1.3078
Total	4.4000e-004	3.4000e-004	4.7700e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.2976	1.2976	3.0000e-005	3.0000e-005	1.3078

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3.7 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	tons/yr										MT/yr					
Archit. Coating	0.7288					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.8200e-003	0.0325	0.0483	8.0000e-005		1.6200e-003	1.6200e-003		1.6200e-003	1.6200e-003	0.0000	6.8087	6.8087	3.8000e-004	0.0000	6.8183
Total	0.7336	0.0325	0.0483	8.0000e-005		1.6200e-003	1.6200e-003		1.6200e-003	1.6200e-003	0.0000	6.8087	6.8087	3.8000e-004	0.0000	6.8183

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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0000
Worker	3.0200e-003	2.3000e-003	0.0325	9.0000e-005	0.0112	7.0000e-005	0.0112	2.9700e-003	6.0000e-005	3.0300e-003	0.0000	8.8233	8.8233	2.1000e-004	2.2000e-004	8.8928
Total	3.0200e-003	2.3000e-003	0.0325	9.0000e-005	0.0112	7.0000e-005	0.0112	2.9700e-003	6.0000e-005	3.0300e-003	0.0000	8.8233	8.8233	2.1000e-004	2.2000e-004	8.8928

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3.7 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7288					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.8200e-003	0.0325	0.0483	8.0000e-005		1.6200e-003	1.6200e-003		1.6200e-003	1.6200e-003	0.0000	6.8087	6.8087	3.8000e-004	0.0000	6.8183
Total	0.7336	0.0325	0.0483	8.0000e-005		1.6200e-003	1.6200e-003		1.6200e-003	1.6200e-003	0.0000	6.8087	6.8087	3.8000e-004	0.0000	6.8183

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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0000
Worker	3.0200e-003	2.3000e-003	0.0325	9.0000e-005	0.0112	7.0000e-005	0.0112	2.9700e-003	6.0000e-005	3.0300e-003	0.0000	8.8233	8.8233	2.1000e-004	2.2000e-004	8.8928
Total	3.0200e-003	2.3000e-003	0.0325	9.0000e-005	0.0112	7.0000e-005	0.0112	2.9700e-003	6.0000e-005	3.0300e-003	0.0000	8.8233	8.8233	2.1000e-004	2.2000e-004	8.8928

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Heavy Industry	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
General Heavy Industry	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

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Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	0.00	0.00	0.00	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
City Park	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
General Heavy Industry	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
Other Asphalt Surfaces	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
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

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.2324	9.0000e-005	0.0101	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0197	0.0197	5.0000e-005	0.0000	0.0210
Unmitigated	1.2324	9.0000e-005	0.0101	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0197	0.0197	5.0000e-005	0.0000	0.0210

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	tons/yr										MT/yr					
Architectural Coating	0.1415					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.0900					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.3000e-004	9.0000e-005	0.0101	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0197	0.0197	5.0000e-005	0.0000	0.0210
Total	1.2324	9.0000e-005	0.0101	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0197	0.0197	5.0000e-005	0.0000	0.0210

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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	tons/yr										MT/yr					
Architectural Coating	0.1415					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.0900					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.3000e-004	9.0000e-005	0.0101	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0197	0.0197	5.0000e-005	0.0000	0.0210
Total	1.2324	9.0000e-005	0.0101	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0197	0.0197	5.0000e-005	0.0000	0.0210

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7400 Slauson Avenue (Construction - Unmitigated)

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	118.47	1000sqft	2.72	118,466.00	0
Unrefrigerated Warehouse-No Rail	177.70	1000sqft	4.08	177,700.00	0
Other Asphalt Surfaces	227.36	1000sqft	5.22	227,364.00	0
Parking Lot	269.00	Space	1.79	77,760.00	0
City Park	0.13	Acre	0.13	5,382.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Total Project Area is 13.94 acres
- Construction Phase - Construction anticipated to begin in January 2024 and end in 2024
- Off-road Equipment - Hours are based on an 8-hour workday
- Off-road Equipment - Hours are based on an 8-hour workday
- Off-road Equipment - This analysis assumes that concrete/asphalt material will be crushed on-site
- Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes
- Off-road Equipment -

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes

Trips and VMT - Based on consultation with Project Team, the demolished material will not be hauled offsite but will be used on-site

Demolition -

Grading - Analysis assumes that up to 5 acres can be disturbed per day

Architectural Coating - Rule 1113

Vehicle Trips - Construction run only

Energy Use - Construction run only

Water And Wastewater - Construction run only

Solid Waste - Construction run only

Construction Off-road Equipment Mitigation - Rule 403

Off-road Equipment - Hours are based on an 8-hour workday

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstructionPhase	NumDays	300.00	200.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	PhaseEndDate	5/16/2025	12/27/2024
tblConstructionPhase	PhaseEndDate	7/11/2025	12/27/2024
tblConstructionPhase	PhaseEndDate	6/13/2025	12/27/2024
tblConstructionPhase	PhaseStartDate	6/14/2025	11/2/2024
tblConstructionPhase	PhaseStartDate	5/17/2025	12/1/2024
tblEnergyUse	LightingElect	3.10	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	1.91	0.00
tblEnergyUse	NT24E	5.75	0.00
tblEnergyUse	NT24E	1.34	0.00
tblEnergyUse	NT24NG	4.45	0.00
tblEnergyUse	NT24NG	0.03	0.00

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblEnergyUse	T24E	2.01	0.00
tblEnergyUse	T24E	0.58	0.00
tblEnergyUse	T24NG	13.51	0.00
tblEnergyUse	T24NG	0.83	0.00
tblGrading	AcresOfGrading	120.00	150.00
tblGrading	AcresOfGrading	35.00	50.00
tblGrading	MaterialImported	0.00	28,150.00
tblLandUse	LandUseSquareFeet	107,600.00	77,760.00
tblLandUse	LandUseSquareFeet	5,837.04	5,382.00
tblLandUse	LotAcreage	2.42	1.79
tblOffRoadEquipment	LoadFactor	0.43	0.43
tblOffRoadEquipment	LoadFactor	0.43	0.43
tblOffRoadEquipment	OffRoadEquipmentType		Crushing/Proc. Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	0.01	0.00
tblSolidWaste	SolidWasteGenerationRate	146.90	0.00
tblSolidWaste	SolidWasteGenerationRate	167.04	0.00
tblTripsAndVMT	HaulingTripNumber	1,936.00	1,135.00
tblTripsAndVMT	HaulingTripNumber	0.00	636.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	11.00
tblTripsAndVMT	VendorTripNumber	99.00	76.00

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	PR_TP	66.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	6.42	0.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	5.09	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	3.93	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	27,396,187.50	0.00
tblWater	IndoorWaterUseRate	41,093,125.00	0.00
tblWater	OutdoorWaterUseRate	154,892.58	0.00

2.0 Emissions Summary

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	6.7553	7.3000e-004	0.0808	1.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004		0.1735	0.1735	4.5000e-004		0.1848
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.7553	7.3000e-004	0.0808	1.0000e-005	0.0000	2.9000e-004	2.9000e-004	0.0000	2.9000e-004	2.9000e-004		0.1735	0.1735	4.5000e-004	0.0000	0.1848

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	6.7553	7.3000e-004	0.0808	1.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004		0.1735	0.1735	4.5000e-004		0.1848
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.7553	7.3000e-004	0.0808	1.0000e-005	0.0000	2.9000e-004	2.9000e-004	0.0000	2.9000e-004	2.9000e-004		0.1735	0.1735	4.5000e-004	0.0000	0.1848

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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/Crushing	Demolition	1/1/2024	1/26/2024	5	20	
2	Site Preparation	Site Preparation	1/27/2024	2/9/2024	5	10	
3	Grading	Grading	2/10/2024	3/22/2024	5	30	
4	Building Construction/Concrete Pours	Building Construction	3/23/2024	12/27/2024	5	200	
5	Paving	Paving	12/1/2024	12/27/2024	5	20	
6	Architectural Coating	Architectural Coating	11/2/2024	12/27/2024	5	40	

Acres of Grading (Site Preparation Phase): 50

Acres of Grading (Grading Phase): 150

Acres of Paving: 7.01

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 444,249; Non-Residential Outdoor: 148,083; Striped Parking Area: 18,307 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition/Crushing	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition/Crushing	Crushing/Proc. Equipment	1	8.00	85	0.78
Demolition/Crushing	Excavators	3	8.00	158	0.38
Demolition/Crushing	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Crawler Tractors	4	8.00	212	0.43

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Crawler Tractors	2	8.00	212	0.43
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction/Concrete Pours	Cranes	1	8.00	231	0.29
Building Construction/Concrete Pours	Forklifts	3	8.00	89	0.20
Building Construction/Concrete Pours	Generator Sets	1	8.00	84	0.74
Building Construction/Concrete Pours	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction/Concrete Pours	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	8.00	78	0.48
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

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/Crushing	7	18.00	8.00	1,135.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	11.00	3,519.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction/Concrete	9	255.00	76.00	636.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	51.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Water Exposed Area

3.2 Demolition/Crushing - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					20.9503	0.0000	20.9503	3.1721	0.0000	3.1721			0.0000			0.0000
Off-Road	2.6694	23.6717	24.0304	0.0459		1.0911	1.0911		1.0232	1.0232		4,411.9529	4,411.9529	1.0859		4,439.1001
Total	2.6694	23.6717	24.0304	0.0459	20.9503	1.0911	22.0414	3.1721	1.0232	4.1952		4,411.9529	4,411.9529	1.0859		4,439.1001

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition/Crushing - 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	0.1223	7.4243	2.0115	0.0327	0.9934	0.0471	1.0405	0.2724	0.0451	0.3174		3,595.4498	3,595.4498	0.2028	0.5712	3,770.7279
Vendor	8.9300e-003	0.3077	0.1164	1.4700e-003	0.0512	1.5500e-003	0.0528	0.0148	1.4900e-003	0.0162		157.8197	157.8197	5.3900e-003	0.0227	164.7232
Worker	0.0537	0.0359	0.6071	1.7300e-003	0.2012	1.1600e-003	0.2024	0.0534	1.0700e-003	0.0544		178.5130	178.5130	4.1100e-003	3.8600e-003	179.7670
Total	0.1849	7.7679	2.7350	0.0359	1.2458	0.0498	1.2956	0.3405	0.0476	0.3881		3,931.7825	3,931.7825	0.2123	0.5977	4,115.2180

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					8.1706	0.0000	8.1706	1.2371	0.0000	1.2371			0.0000			0.0000
Off-Road	2.6694	23.6717	24.0304	0.0459		1.0911	1.0911		1.0232	1.0232	0.0000	4,411.9529	4,411.9529	1.0859		4,439.1001
Total	2.6694	23.6717	24.0304	0.0459	8.1706	1.0911	9.2617	1.2371	1.0232	2.2603	0.0000	4,411.9529	4,411.9529	1.0859		4,439.1001

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition/Crushing - 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	0.1223	7.4243	2.0115	0.0327	0.9934	0.0471	1.0405	0.2724	0.0451	0.3174		3,595.4498	3,595.4498	0.2028	0.5712	3,770.7279
Vendor	8.9300e-003	0.3077	0.1164	1.4700e-003	0.0512	1.5500e-003	0.0528	0.0148	1.4900e-003	0.0162		157.8197	157.8197	5.3900e-003	0.0227	164.7232
Worker	0.0537	0.0359	0.6071	1.7300e-003	0.2012	1.1600e-003	0.2024	0.0534	1.0700e-003	0.0544		178.5130	178.5130	4.1100e-003	3.8600e-003	179.7670
Total	0.1849	7.7679	2.7350	0.0359	1.2458	0.0498	1.2956	0.3405	0.0476	0.3881		3,931.7825	3,931.7825	0.2123	0.5977	4,115.2180

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					23.3688	0.0000	23.3688	10.5032	0.0000	10.5032			0.0000			0.0000
Off-Road	3.7768	40.3224	18.1788	0.0569		1.6987	1.6987		1.5628	1.5628		5,507.0780	5,507.0780	1.7811		5,551.6055
Total	3.7768	40.3224	18.1788	0.0569	23.3688	1.6987	25.0674	10.5032	1.5628	12.0660		5,507.0780	5,507.0780	1.7811		5,551.6055

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.4600e-003	0.1539	0.0582	7.3000e-004	0.0256	7.8000e-004	0.0264	7.3800e-003	7.4000e-004	8.1200e-003		78.9098	78.9098	2.6900e-003	0.0114	82.3616
Worker	0.0537	0.0359	0.6071	1.7300e-003	0.2012	1.1600e-003	0.2024	0.0534	1.0700e-003	0.0544		178.5130	178.5130	4.1100e-003	3.8600e-003	179.7670
Total	0.0582	0.1897	0.6654	2.4600e-003	0.2268	1.9400e-003	0.2288	0.0607	1.8100e-003	0.0626		257.4229	257.4229	6.8000e-003	0.0152	262.1286

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					9.1138	0.0000	9.1138	4.0963	0.0000	4.0963			0.0000			0.0000
Off-Road	3.7768	40.3224	18.1788	0.0569		1.6987	1.6987		1.5628	1.5628	0.0000	5,507.0780	5,507.0780	1.7811		5,551.6055
Total	3.7768	40.3224	18.1788	0.0569	9.1138	1.6987	10.8125	4.0963	1.5628	5.6590	0.0000	5,507.0780	5,507.0780	1.7811		5,551.6055

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.4600e-003	0.1539	0.0582	7.3000e-004	0.0256	7.8000e-004	0.0264	7.3800e-003	7.4000e-004	8.1200e-003		78.9098	78.9098	2.6900e-003	0.0114	82.3616
Worker	0.0537	0.0359	0.6071	1.7300e-003	0.2012	1.1600e-003	0.2024	0.0534	1.0700e-003	0.0544		178.5130	178.5130	4.1100e-003	3.8600e-003	179.7670
Total	0.0582	0.1897	0.6654	2.4600e-003	0.2268	1.9400e-003	0.2288	0.0607	1.8100e-003	0.0626		257.4229	257.4229	6.8000e-003	0.0152	262.1286

3.4 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					11.4307	0.0000	11.4307	3.8988	0.0000	3.8988			0.0000			0.0000
Off-Road	3.7761	38.9502	27.6444	0.0715		1.5701	1.5701		1.4445	1.4445		6,919.2827	6,919.2827	2.2378		6,975.2286
Total	3.7761	38.9502	27.6444	0.0715	11.4307	1.5701	13.0008	3.8988	1.4445	5.3433		6,919.2827	6,919.2827	2.2378		6,975.2286

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2527	15.3458	4.1576	0.0675	2.0533	0.0973	2.1506	0.5630	0.0931	0.6561		7,431.6522	7,431.6522	0.4193	1.1806	7,793.9450
Vendor	0.0123	0.4231	0.1601	2.0100e-003	0.0705	2.1400e-003	0.0726	0.0203	2.0400e-003	0.0223		217.0021	217.0021	7.4100e-003	0.0312	226.4944
Worker	0.0597	0.0399	0.6746	1.9200e-003	0.2236	1.2900e-003	0.2249	0.0593	1.1900e-003	0.0605		198.3478	198.3478	4.5600e-003	4.2900e-003	199.7411
Total	0.3247	15.8088	4.9923	0.0715	2.3473	0.1008	2.4481	0.6425	0.0964	0.7389		7,847.0020	7,847.0020	0.4312	1.2161	8,220.1805

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					4.4580	0.0000	4.4580	1.5206	0.0000	1.5206			0.0000			0.0000
Off-Road	3.7761	38.9502	27.6444	0.0715		1.5701	1.5701		1.4445	1.4445	0.0000	6,919.2827	6,919.2827	2.2378		6,975.2286
Total	3.7761	38.9502	27.6444	0.0715	4.4580	1.5701	6.0280	1.5206	1.4445	2.9650	0.0000	6,919.2827	6,919.2827	2.2378		6,975.2286

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2527	15.3458	4.1576	0.0675	2.0533	0.0973	2.1506	0.5630	0.0931	0.6561		7,431.652 2	7,431.652 2	0.4193	1.1806	7,793.945 0
Vendor	0.0123	0.4231	0.1601	2.0100e-003	0.0705	2.1400e-003	0.0726	0.0203	2.0400e-003	0.0223		217.0021	217.0021	7.4100e-003	0.0312	226.4944
Worker	0.0597	0.0399	0.6746	1.9200e-003	0.2236	1.2900e-003	0.2249	0.0593	1.1900e-003	0.0605		198.3478	198.3478	4.5600e-003	4.2900e-003	199.7411
Total	0.3247	15.8088	4.9923	0.0715	2.3473	0.1008	2.4481	0.6425	0.0964	0.7389		7,847.002 0	7,847.002 0	0.4312	1.2161	8,220.180 5

3.5 Building Construction/Concrete Pours - 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	1.5670	14.4249	17.2270	0.0288		0.6565	0.6565		0.6166	0.6166		2,738.712 4	2,738.712 4	0.6635		2,755.300 9
Total	1.5670	14.4249	17.2270	0.0288		0.6565	0.6565		0.6166	0.6166		2,738.712 4	2,738.712 4	0.6635		2,755.300 9

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction/Concrete Pours - 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	6.8500e-003	0.4160	0.1127	1.8300e-003	0.0557	2.6400e-003	0.0583	0.0153	2.5200e-003	0.0178		201.4719	201.4719	0.0114	0.0320	211.2937
Vendor	0.0848	2.9231	1.1061	0.0139	0.4868	0.0148	0.5016	0.1402	0.0141	0.1543		1,499.2870	1,499.2870	0.0512	0.2158	1,564.8704
Worker	0.7611	0.5084	8.6011	0.0245	2.8503	0.0165	2.8668	0.7559	0.0152	0.7711		2,528.9344	2,528.9344	0.0582	0.0547	2,546.6986
Total	0.8528	3.8475	9.8199	0.0403	3.3928	0.0339	3.4267	0.9113	0.0318	0.9432		4,229.6933	4,229.6933	0.1208	0.3025	4,322.8627

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5670	14.4249	17.2270	0.0288		0.6565	0.6565		0.6166	0.6166	0.0000	2,738.7123	2,738.7123	0.6635		2,755.3009
Total	1.5670	14.4249	17.2270	0.0288		0.6565	0.6565		0.6166	0.6166	0.0000	2,738.7123	2,738.7123	0.6635		2,755.3009

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction/Concrete Pours - 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	6.8500e-003	0.4160	0.1127	1.8300e-003	0.0557	2.6400e-003	0.0583	0.0153	2.5200e-003	0.0178		201.4719	201.4719	0.0114	0.0320	211.2937
Vendor	0.0848	2.9231	1.1061	0.0139	0.4868	0.0148	0.5016	0.1402	0.0141	0.1543		1,499.2870	1,499.2870	0.0512	0.2158	1,564.8704
Worker	0.7611	0.5084	8.6011	0.0245	2.8503	0.0165	2.8668	0.7559	0.0152	0.7711		2,528.9344	2,528.9344	0.0582	0.0547	2,546.6986
Total	0.8528	3.8475	9.8199	0.0403	3.3928	0.0339	3.4267	0.9113	0.0318	0.9432		4,229.6933	4,229.6933	0.1208	0.3025	4,322.8627

3.6 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.9183					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.9065	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 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	0.0448	0.0299	0.5060	1.4400e-003	0.1677	9.7000e-004	0.1686	0.0445	8.9000e-004	0.0454		148.7609	148.7609	3.4200e-003	3.2200e-003	149.8058
Total	0.0448	0.0299	0.5060	1.4400e-003	0.1677	9.7000e-004	0.1686	0.0445	8.9000e-004	0.0454		148.7609	148.7609	3.4200e-003	3.2200e-003	149.8058

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.9183					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.9065	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 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	0.0448	0.0299	0.5060	1.4400e-003	0.1677	9.7000e-004	0.1686	0.0445	8.9000e-004	0.0454		148.7609	148.7609	3.4200e-003	3.2200e-003	149.8058
Total	0.0448	0.0299	0.5060	1.4400e-003	0.1677	9.7000e-004	0.1686	0.0445	8.9000e-004	0.0454		148.7609	148.7609	3.4200e-003	3.2200e-003	149.8058

3.7 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	36.4396					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2410	1.6251	2.4135	3.9600e-003		0.0812	0.0812		0.0812	0.0812		375.2641	375.2641	0.0211		375.7923
Total	36.6806	1.6251	2.4135	3.9600e-003		0.0812	0.0812		0.0812	0.0812		375.2641	375.2641	0.0211		375.7923

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 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	0.1522	0.1017	1.7202	4.9000e-003	0.5701	3.3000e-003	0.5734	0.1512	3.0400e-003	0.1542		505.7869	505.7869	0.0116	0.0110	509.3397
Total	0.1522	0.1017	1.7202	4.9000e-003	0.5701	3.3000e-003	0.5734	0.1512	3.0400e-003	0.1542		505.7869	505.7869	0.0116	0.0110	509.3397

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	36.4396					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2410	1.6251	2.4135	3.9600e-003		0.0812	0.0812		0.0812	0.0812	0.0000	375.2641	375.2641	0.0211		375.7923
Total	36.6806	1.6251	2.4135	3.9600e-003		0.0812	0.0812		0.0812	0.0812	0.0000	375.2641	375.2641	0.0211		375.7923

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 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	0.1522	0.1017	1.7202	4.9000e-003	0.5701	3.3000e-003	0.5734	0.1512	3.0400e-003	0.1542		505.7869	505.7869	0.0116	0.0110	509.3397
Total	0.1522	0.1017	1.7202	4.9000e-003	0.5701	3.3000e-003	0.5734	0.1512	3.0400e-003	0.1542		505.7869	505.7869	0.0116	0.0110	509.3397

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Heavy Industry	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
General Heavy Industry	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	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
General Heavy Industry	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
Other Asphalt Surfaces	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
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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	6.7553	7.3000e-004	0.0808	1.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004		0.1735	0.1735	4.5000e-004		0.1848
Unmitigated	6.7553	7.3000e-004	0.0808	1.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004		0.1735	0.1735	4.5000e-004		0.1848

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	0.7754					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.9724					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.4600e-003	7.3000e-004	0.0808	1.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004		0.1735	0.1735	4.5000e-004		0.1848
Total	6.7553	7.3000e-004	0.0808	1.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004		0.1735	0.1735	4.5000e-004		0.1848

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.7754					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.9724					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.4600e-003	7.3000e-004	0.0808	1.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004		0.1735	0.1735	4.5000e-004		0.1848
Total	6.7553	7.3000e-004	0.0808	1.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004		0.1735	0.1735	4.5000e-004		0.1848

7.0 Water Detail

7.1 Mitigation Measures Water

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7400 Slauson Avenue (Construction - Unmitigated)

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	118.47	1000sqft	2.72	118,466.00	0
Unrefrigerated Warehouse-No Rail	177.70	1000sqft	4.08	177,700.00	0
Other Asphalt Surfaces	227.36	1000sqft	5.22	227,364.00	0
Parking Lot	269.00	Space	1.79	77,760.00	0
City Park	0.13	Acre	0.13	5,382.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total Project Area is 13.94 acres

Construction Phase - Construction anticipated to begin in January 2024 and end in 2024

Off-road Equipment - Hours are based on an 8-hour workday

Off-road Equipment - Hours are based on an 8-hour workday

Off-road Equipment - This analysis assumes that concrete/asphalt material will be crushed on-site

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes

Off-road Equipment -

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Off-road Equipment - Crawler Tractors used in lieu of Tractors/Loaders/Backhoes

Trips and VMT - Based on consultation with Project Team, the demolished material will not be hauled offsite but will be used on-site

Demolition -

Grading - Analysis assumes that up to 5 acres can be disturbed per day

Architectural Coating - Rule 1113

Vehicle Trips - Construction run only

Energy Use - Construction run only

Water And Wastewater - Construction run only

Solid Waste - Construction run only

Construction Off-road Equipment Mitigation - Rule 403

Off-road Equipment - Hours are based on an 8-hour workday

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblConstructionPhase	NumDays	300.00	200.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	PhaseEndDate	5/16/2025	12/27/2024
tblConstructionPhase	PhaseEndDate	7/11/2025	12/27/2024
tblConstructionPhase	PhaseEndDate	6/13/2025	12/27/2024
tblConstructionPhase	PhaseStartDate	6/14/2025	11/2/2024
tblConstructionPhase	PhaseStartDate	5/17/2025	12/1/2024
tblEnergyUse	LightingElect	3.10	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	1.91	0.00
tblEnergyUse	NT24E	5.75	0.00
tblEnergyUse	NT24E	1.34	0.00
tblEnergyUse	NT24NG	4.45	0.00
tblEnergyUse	NT24NG	0.03	0.00

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblEnergyUse	T24E	2.01	0.00
tblEnergyUse	T24E	0.58	0.00
tblEnergyUse	T24NG	13.51	0.00
tblEnergyUse	T24NG	0.83	0.00
tblGrading	AcresOfGrading	120.00	150.00
tblGrading	AcresOfGrading	35.00	50.00
tblGrading	MaterialImported	0.00	28,150.00
tblLandUse	LandUseSquareFeet	107,600.00	77,760.00
tblLandUse	LandUseSquareFeet	5,837.04	5,382.00
tblLandUse	LotAcreage	2.42	1.79
tblOffRoadEquipment	LoadFactor	0.43	0.43
tblOffRoadEquipment	LoadFactor	0.43	0.43
tblOffRoadEquipment	OffRoadEquipmentType		Crushing/Proc. Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentType		Crawler Tractors
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	0.01	0.00
tblSolidWaste	SolidWasteGenerationRate	146.90	0.00
tblSolidWaste	SolidWasteGenerationRate	167.04	0.00
tblTripsAndVMT	HaulingTripNumber	1,936.00	1,135.00
tblTripsAndVMT	HaulingTripNumber	0.00	636.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	11.00
tblTripsAndVMT	VendorTripNumber	99.00	76.00

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	PR_TP	66.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	PR_TP	92.00	0.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	6.42	0.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	5.09	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	3.93	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	27,396,187.50	0.00
tblWater	IndoorWaterUseRate	41,093,125.00	0.00
tblWater	OutdoorWaterUseRate	154,892.58	0.00

2.0 Emissions Summary

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	6.7553	7.3000e-004	0.0808	1.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004		0.1735	0.1735	4.5000e-004		0.1848
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.7553	7.3000e-004	0.0808	1.0000e-005	0.0000	2.9000e-004	2.9000e-004	0.0000	2.9000e-004	2.9000e-004		0.1735	0.1735	4.5000e-004	0.0000	0.1848

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	6.7553	7.3000e-004	0.0808	1.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004		0.1735	0.1735	4.5000e-004		0.1848
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.7553	7.3000e-004	0.0808	1.0000e-005	0.0000	2.9000e-004	2.9000e-004	0.0000	2.9000e-004	2.9000e-004		0.1735	0.1735	4.5000e-004	0.0000	0.1848

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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/Crushing	Demolition	1/1/2024	1/26/2024	5	20	
2	Site Preparation	Site Preparation	1/27/2024	2/9/2024	5	10	
3	Grading	Grading	2/10/2024	3/22/2024	5	30	
4	Building Construction/Concrete Pours	Building Construction	3/23/2024	12/27/2024	5	200	
5	Paving	Paving	12/1/2024	12/27/2024	5	20	
6	Architectural Coating	Architectural Coating	11/2/2024	12/27/2024	5	40	

Acres of Grading (Site Preparation Phase): 50

Acres of Grading (Grading Phase): 150

Acres of Paving: 7.01

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 444,249; Non-Residential Outdoor: 148,083; Striped Parking Area: 18,307 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition/Crushing	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition/Crushing	Crushing/Proc. Equipment	1	8.00	85	0.78
Demolition/Crushing	Excavators	3	8.00	158	0.38
Demolition/Crushing	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Crawler Tractors	4	8.00	212	0.43

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Crawler Tractors	2	8.00	212	0.43
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction/Concrete Pours	Cranes	1	8.00	231	0.29
Building Construction/Concrete Pours	Forklifts	3	8.00	89	0.20
Building Construction/Concrete Pours	Generator Sets	1	8.00	84	0.74
Building Construction/Concrete Pours	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction/Concrete Pours	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	8.00	78	0.48
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

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/Crushing	7	18.00	8.00	1,135.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	11.00	3,519.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction/Concrete	9	255.00	76.00	636.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	51.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Water Exposed Area

3.2 Demolition/Crushing - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					20.9503	0.0000	20.9503	3.1721	0.0000	3.1721			0.0000			0.0000
Off-Road	2.6694	23.6717	24.0304	0.0459		1.0911	1.0911		1.0232	1.0232		4,411.9529	4,411.9529	1.0859		4,439.1001
Total	2.6694	23.6717	24.0304	0.0459	20.9503	1.0911	22.0414	3.1721	1.0232	4.1952		4,411.9529	4,411.9529	1.0859		4,439.1001

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition/Crushing - 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	0.1143	7.7520	2.0384	0.0327	0.9934	0.0472	1.0406	0.2724	0.0452	0.3175		3,599.2920	3,599.2920	0.2024	0.5718	3,774.7456
Vendor	8.6000e-003	0.3222	0.1201	1.4700e-003	0.0512	1.5600e-003	0.0528	0.0148	1.5000e-003	0.0163		158.0915	158.0915	5.3600e-003	0.0228	165.0122
Worker	0.0579	0.0396	0.5586	1.6400e-003	0.2012	1.1600e-003	0.2024	0.0534	1.0700e-003	0.0544		169.1172	169.1172	4.1700e-003	4.1300e-003	170.4507
Total	0.1809	8.1138	2.7170	0.0358	1.2458	0.0499	1.2958	0.3405	0.0477	0.3882		3,926.5007	3,926.5007	0.2119	0.5987	4,110.2085

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					8.1706	0.0000	8.1706	1.2371	0.0000	1.2371			0.0000			0.0000
Off-Road	2.6694	23.6717	24.0304	0.0459		1.0911	1.0911		1.0232	1.0232	0.0000	4,411.9529	4,411.9529	1.0859		4,439.1001
Total	2.6694	23.6717	24.0304	0.0459	8.1706	1.0911	9.2617	1.2371	1.0232	2.2603	0.0000	4,411.9529	4,411.9529	1.0859		4,439.1001

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition/Crushing - 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	0.1143	7.7520	2.0384	0.0327	0.9934	0.0472	1.0406	0.2724	0.0452	0.3175		3,599.2920	3,599.2920	0.2024	0.5718	3,774.7456
Vendor	8.6000e-003	0.3222	0.1201	1.4700e-003	0.0512	1.5600e-003	0.0528	0.0148	1.5000e-003	0.0163		158.0915	158.0915	5.3600e-003	0.0228	165.0122
Worker	0.0579	0.0396	0.5586	1.6400e-003	0.2012	1.1600e-003	0.2024	0.0534	1.0700e-003	0.0544		169.1172	169.1172	4.1700e-003	4.1300e-003	170.4507
Total	0.1809	8.1138	2.7170	0.0358	1.2458	0.0499	1.2958	0.3405	0.0477	0.3882		3,926.5007	3,926.5007	0.2119	0.5987	4,110.2085

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					23.3688	0.0000	23.3688	10.5032	0.0000	10.5032			0.0000			0.0000
Off-Road	3.7768	40.3224	18.1788	0.0569		1.6987	1.6987		1.5628	1.5628		5,507.0780	5,507.0780	1.7811		5,551.6055
Total	3.7768	40.3224	18.1788	0.0569	23.3688	1.6987	25.0674	10.5032	1.5628	12.0660		5,507.0780	5,507.0780	1.7811		5,551.6055

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.3000e-003	0.1611	0.0601	7.3000e-004	0.0256	7.8000e-004	0.0264	7.3800e-003	7.5000e-004	8.1300e-003		79.0457	79.0457	2.6800e-003	0.0114	82.5061
Worker	0.0579	0.0396	0.5586	1.6400e-003	0.2012	1.1600e-003	0.2024	0.0534	1.0700e-003	0.0544		169.1172	169.1172	4.1700e-003	4.1300e-003	170.4507
Total	0.0622	0.2007	0.6186	2.3700e-003	0.2268	1.9400e-003	0.2288	0.0607	1.8200e-003	0.0626		248.1629	248.1629	6.8500e-003	0.0155	252.9568

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					9.1138	0.0000	9.1138	4.0963	0.0000	4.0963			0.0000			0.0000
Off-Road	3.7768	40.3224	18.1788	0.0569		1.6987	1.6987		1.5628	1.5628	0.0000	5,507.0780	5,507.0780	1.7811		5,551.6055
Total	3.7768	40.3224	18.1788	0.0569	9.1138	1.6987	10.8125	4.0963	1.5628	5.6590	0.0000	5,507.0780	5,507.0780	1.7811		5,551.6055

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.3000e-003	0.1611	0.0601	7.3000e-004	0.0256	7.8000e-004	0.0264	7.3800e-003	7.5000e-004	8.1300e-003		79.0457	79.0457	2.6800e-003	0.0114	82.5061
Worker	0.0579	0.0396	0.5586	1.6400e-003	0.2012	1.1600e-003	0.2024	0.0534	1.0700e-003	0.0544		169.1172	169.1172	4.1700e-003	4.1300e-003	170.4507
Total	0.0622	0.2007	0.6186	2.3700e-003	0.2268	1.9400e-003	0.2288	0.0607	1.8200e-003	0.0626		248.1629	248.1629	6.8500e-003	0.0155	252.9568

3.4 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					11.4307	0.0000	11.4307	3.8988	0.0000	3.8988			0.0000			0.0000
Off-Road	3.7761	38.9502	27.6444	0.0715		1.5701	1.5701		1.4445	1.4445		6,919.2827	6,919.2827	2.2378		6,975.2286
Total	3.7761	38.9502	27.6444	0.0715	11.4307	1.5701	13.0008	3.8988	1.4445	5.3433		6,919.2827	6,919.2827	2.2378		6,975.2286

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2363	16.0231	4.2132	0.0676	2.0533	0.0976	2.1509	0.5630	0.0934	0.6563		7,439.5939	7,439.5939	0.4184	1.1819	7,802.2495
Vendor	0.0118	0.4430	0.1652	2.0200e-003	0.0705	2.1500e-003	0.0726	0.0203	2.0600e-003	0.0223		217.3758	217.3758	7.3800e-003	0.0313	226.8918
Worker	0.0644	0.0440	0.6206	1.8200e-003	0.2236	1.2900e-003	0.2249	0.0593	1.1900e-003	0.0605		187.9080	187.9080	4.6300e-003	4.5800e-003	189.3896
Total	0.3125	16.5101	4.9990	0.0715	2.3473	0.1010	2.4483	0.6425	0.0966	0.7391		7,844.8776	7,844.8776	0.4304	1.2178	8,218.5309

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					4.4580	0.0000	4.4580	1.5206	0.0000	1.5206			0.0000			0.0000
Off-Road	3.7761	38.9502	27.6444	0.0715		1.5701	1.5701		1.4445	1.4445	0.0000	6,919.2827	6,919.2827	2.2378		6,975.2286
Total	3.7761	38.9502	27.6444	0.0715	4.4580	1.5701	6.0280	1.5206	1.4445	2.9650	0.0000	6,919.2827	6,919.2827	2.2378		6,975.2286

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2363	16.0231	4.2132	0.0676	2.0533	0.0976	2.1509	0.5630	0.0934	0.6563		7,439.5939	7,439.5939	0.4184	1.1819	7,802.2495
Vendor	0.0118	0.4430	0.1652	2.0200e-003	0.0705	2.1500e-003	0.0726	0.0203	2.0600e-003	0.0223		217.3758	217.3758	7.3800e-003	0.0313	226.8918
Worker	0.0644	0.0440	0.6206	1.8200e-003	0.2236	1.2900e-003	0.2249	0.0593	1.1900e-003	0.0605		187.9080	187.9080	4.6300e-003	4.5800e-003	189.3896
Total	0.3125	16.5101	4.9990	0.0715	2.3473	0.1010	2.4483	0.6425	0.0966	0.7391		7,844.8776	7,844.8776	0.4304	1.2178	8,218.5309

3.5 Building Construction/Concrete Pours - 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	1.5670	14.4249	17.2270	0.0288		0.6565	0.6565		0.6166	0.6166		2,738.7124	2,738.7124	0.6635		2,755.3009
Total	1.5670	14.4249	17.2270	0.0288		0.6565	0.6565		0.6166	0.6166		2,738.7124	2,738.7124	0.6635		2,755.3009

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction/Concrete Pours - 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	6.4100e-003	0.4344	0.1142	1.8300e-003	0.0557	2.6500e-003	0.0583	0.0153	2.5300e-003	0.0178		201.6872	201.6872	0.0113	0.0320	211.5188
Vendor	0.0817	3.0605	1.1412	0.0139	0.4868	0.0149	0.5017	0.1402	0.0142	0.1544		1,501.8689	1,501.8689	0.0510	0.2164	1,567.6158
Worker	0.8204	0.5614	7.9128	0.0232	2.8503	0.0165	2.8668	0.7559	0.0152	0.7711		2,395.8267	2,395.8267	0.0590	0.0584	2,414.7178
Total	0.9085	4.0563	9.1682	0.0390	3.3928	0.0340	3.4268	0.9113	0.0319	0.9433		4,099.3828	4,099.3828	0.1214	0.3068	4,193.8523

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5670	14.4249	17.2270	0.0288		0.6565	0.6565		0.6166	0.6166	0.0000	2,738.7123	2,738.7123	0.6635		2,755.3009
Total	1.5670	14.4249	17.2270	0.0288		0.6565	0.6565		0.6166	0.6166	0.0000	2,738.7123	2,738.7123	0.6635		2,755.3009

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction/Concrete Pours - 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	6.4100e-003	0.4344	0.1142	1.8300e-003	0.0557	2.6500e-003	0.0583	0.0153	2.5300e-003	0.0178		201.6872	201.6872	0.0113	0.0320	211.5188
Vendor	0.0817	3.0605	1.1412	0.0139	0.4868	0.0149	0.5017	0.1402	0.0142	0.1544		1,501.8689	1,501.8689	0.0510	0.2164	1,567.6158
Worker	0.8204	0.5614	7.9128	0.0232	2.8503	0.0165	2.8668	0.7559	0.0152	0.7711		2,395.8267	2,395.8267	0.0590	0.0584	2,414.7178
Total	0.9085	4.0563	9.1682	0.0390	3.3928	0.0340	3.4268	0.9113	0.0319	0.9433		4,099.3828	4,099.3828	0.1214	0.3068	4,193.8523

3.6 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.9183					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.9065	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 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	0.0483	0.0330	0.4655	1.3700e-003	0.1677	9.7000e-004	0.1686	0.0445	8.9000e-004	0.0454		140.9310	140.9310	3.4700e-003	3.4400e-003	142.0422
Total	0.0483	0.0330	0.4655	1.3700e-003	0.1677	9.7000e-004	0.1686	0.0445	8.9000e-004	0.0454		140.9310	140.9310	3.4700e-003	3.4400e-003	142.0422

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.9183					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.9065	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 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	0.0483	0.0330	0.4655	1.3700e-003	0.1677	9.7000e-004	0.1686	0.0445	8.9000e-004	0.0454		140.9310	140.9310	3.4700e-003	3.4400e-003	142.0422
Total	0.0483	0.0330	0.4655	1.3700e-003	0.1677	9.7000e-004	0.1686	0.0445	8.9000e-004	0.0454		140.9310	140.9310	3.4700e-003	3.4400e-003	142.0422

3.7 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	36.4396					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2410	1.6251	2.4135	3.9600e-003		0.0812	0.0812		0.0812	0.0812		375.2641	375.2641	0.0211		375.7923
Total	36.6806	1.6251	2.4135	3.9600e-003		0.0812	0.0812		0.0812	0.0812		375.2641	375.2641	0.0211		375.7923

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 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	0.1641	0.1123	1.5826	4.6400e-003	0.5701	3.3000e-003	0.5734	0.1512	3.0400e-003	0.1542		479.1653	479.1653	0.0118	0.0117	482.9436
Total	0.1641	0.1123	1.5826	4.6400e-003	0.5701	3.3000e-003	0.5734	0.1512	3.0400e-003	0.1542		479.1653	479.1653	0.0118	0.0117	482.9436

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	36.4396					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2410	1.6251	2.4135	3.9600e-003		0.0812	0.0812		0.0812	0.0812	0.0000	375.2641	375.2641	0.0211		375.7923
Total	36.6806	1.6251	2.4135	3.9600e-003		0.0812	0.0812		0.0812	0.0812	0.0000	375.2641	375.2641	0.0211		375.7923

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 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	0.1641	0.1123	1.5826	4.6400e-003	0.5701	3.3000e-003	0.5734	0.1512	3.0400e-003	0.1542		479.1653	479.1653	0.0118	0.0117	482.9436
Total	0.1641	0.1123	1.5826	4.6400e-003	0.5701	3.3000e-003	0.5734	0.1512	3.0400e-003	0.1542		479.1653	479.1653	0.0118	0.0117	482.9436

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Heavy Industry	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
General Heavy Industry	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	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
General Heavy Industry	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
Other Asphalt Surfaces	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
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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	6.7553	7.3000e-004	0.0808	1.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004		0.1735	0.1735	4.5000e-004		0.1848
Unmitigated	6.7553	7.3000e-004	0.0808	1.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004		0.1735	0.1735	4.5000e-004		0.1848

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	0.7754					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.9724					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.4600e-003	7.3000e-004	0.0808	1.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004		0.1735	0.1735	4.5000e-004		0.1848
Total	6.7553	7.3000e-004	0.0808	1.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004		0.1735	0.1735	4.5000e-004		0.1848

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.7754					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.9724					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.4600e-003	7.3000e-004	0.0808	1.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004		0.1735	0.1735	4.5000e-004		0.1848
Total	6.7553	7.3000e-004	0.0808	1.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004		0.1735	0.1735	4.5000e-004		0.1848

7.0 Water Detail

7.1 Mitigation Measures Water

7400 Slauson Avenue (Construction - Unmitigated) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

Boilers

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

Equipment Type	Number
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11.0 Vegetation

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APPENDIX 4.2:

CALEEMOD PROJECT OPERATIONAL EMISSIONS MODEL OUTPUTS

7400 Slauson Avenue (General Light Industrial Operations) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7400 Slauson Avenue (General Light Industrial Operations)

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	118.47	1000sqft	2.72	118,466.00	0
User Defined Industrial	118.47	User Defined Unit	0.00	0.00	0
Other Asphalt Surfaces	227.36	1000sqft	5.22	227,364.00	0
Parking Lot	269.00	Space	1.79	77,760.00	0
City Park	0.13	Acre	0.13	5,832.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total Project Area (without Warehouse use) is 9.86 acres

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Vehicle Trips - Trip characteristics based on information provided in the Traffic analysis

Operational Off-Road Equipment - Based on SCAQMD High Cube Warehouse Truck Trip Study White Paper Summary of Business Survey Results (2014)

Fleet Mix - Passenger Car Mix estimated based on the CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, & MCY). Truck Mix based on information in the Traffic analysis

7400 Slauson Avenue (General Light Industrial Operations) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	PhaseEndDate	1/26/2024	12/31/2023
tblFleetMix	HHD	8.0790e-003	0.00
tblFleetMix	HHD	8.0790e-003	0.63
tblFleetMix	LDA	0.54	0.57
tblFleetMix	LDA	0.54	0.00
tblFleetMix	LDT1	0.06	0.07
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.19	0.20
tblFleetMix	LDT2	0.19	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.15
tblFleetMix	LHD2	6.2390e-003	0.00
tblFleetMix	LHD2	6.2390e-003	0.04
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.13	0.13
tblFleetMix	MDV	0.13	0.00
tblFleetMix	MH	3.3520e-003	0.00
tblFleetMix	MH	3.3520e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.19
tblFleetMix	OBUS	9.2300e-004	0.00
tblFleetMix	OBUS	9.2300e-004	0.00
tblFleetMix	SBUS	7.0200e-004	0.00
tblFleetMix	SBUS	7.0200e-004	0.00
tblFleetMix	UBUS	6.0400e-004	0.00
tblFleetMix	UBUS	6.0400e-004	0.00

7400 Slauson Avenue (General Light Industrial Operations) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblLandUse	LandUseSquareFeet	107,600.00	77,760.00
tblLandUse	LandUseSquareFeet	5,837.04	5,832.00
tblLandUse	LotAcreage	2.42	1.79
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PR_TP	66.00	0.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	6.42	1.88
tblVehicleTrips	ST_TR	0.00	0.11
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	5.09	4.72
tblVehicleTrips	SU_TR	0.00	0.28
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	3.93	4.63
tblVehicleTrips	WD_TR	0.00	0.27

7400 Slauson Avenue (General Light Industrial Operations) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.0 Emissions Summary

	ROG	NOx	CO	SO2	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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

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	tons/yr										MT/yr					
Area	0.5079	8.0000e-005	9.3500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0182	0.0182	5.0000e-005	0.0000	0.0194
Energy	0.0115	0.1043	0.0876	6.3000e-004		7.9300e-003	7.9300e-003		7.9300e-003	7.9300e-003	0.0000	346.5284	346.5284	0.0218	4.4700e-003	348.4050
Mobile	0.3369	1.2385	3.7756	0.0123	1.0151	0.0114	1.0264	0.2722	0.0107	0.2829	0.0000	1,172.3829	1,172.3829	0.0614	0.0927	1,201.5508
Offroad	0.0200	0.1776	0.1371	5.8000e-004		6.4900e-003	6.4900e-003		5.9700e-003	5.9700e-003	0.0000	50.7695	50.7695	0.0164	0.0000	51.1800
Waste						0.0000	0.0000		0.0000	0.0000	29.8214	0.0000	29.8214	1.7624	0.0000	73.8813
Water						0.0000	0.0000		0.0000	0.0000	8.6916	63.5689	72.2605	0.8981	0.0217	101.1875
Total	0.8762	1.5205	4.0096	0.0135	1.0151	0.0258	1.0409	0.2722	0.0246	0.2968	38.5130	1,633.2679	1,671.7808	2.7602	0.1189	1,776.2239

7400 Slauson Avenue (General Light Industrial Operations) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

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	tons/yr										MT/yr					
Area	0.5079	8.0000e-005	9.3500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0182	0.0182	5.0000e-005	0.0000	0.0194
Energy	0.0115	0.1043	0.0876	6.3000e-004		7.9300e-003	7.9300e-003		7.9300e-003	7.9300e-003	0.0000	346.5284	346.5284	0.0218	4.4700e-003	348.4050
Mobile	0.3369	1.2385	3.7756	0.0123	1.0151	0.0114	1.0264	0.2722	0.0107	0.2829	0.0000	1,172.3829	1,172.3829	0.0614	0.0927	1,201.5508
Offroad	0.0200	0.1776	0.1371	5.8000e-004		6.4900e-003	6.4900e-003		5.9700e-003	5.9700e-003	0.0000	50.7695	50.7695	0.0164	0.0000	51.1800
Waste						0.0000	0.0000		0.0000	0.0000	29.8214	0.0000	29.8214	1.7624	0.0000	73.8813
Water						0.0000	0.0000		0.0000	0.0000	8.6916	63.5689	72.2605	0.8981	0.0217	101.1875
Total	0.8762	1.5205	4.0096	0.0135	1.0151	0.0258	1.0409	0.2722	0.0246	0.2968	38.5130	1,633.2679	1,671.7808	2.7602	0.1189	1,776.2239

	ROG	NOx	CO	SO2	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	1/1/2024	12/31/2023	5	0	

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Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 7.01

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3369	1.2385	3.7756	0.0123	1.0151	0.0114	1.0264	0.2722	0.0107	0.2829	0.0000	1,172.3829	1,172.3829	0.0614	0.0927	1,201.5508
Unmitigated	0.3369	1.2385	3.7756	0.0123	1.0151	0.0114	1.0264	0.2722	0.0107	0.2829	0.0000	1,172.3829	1,172.3829	0.0614	0.0927	1,201.5508

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Heavy Industry	548.00	222.74	559.65	2,228,300	2,228,300
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
User Defined Industrial	32.00	13.01	32.68	427,816	427,816
Total	580.00	235.75	592.33	2,656,116	2,656,116

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Heavy Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Industrial	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	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
General Heavy Industry	0.573300	0.067400	0.199000	0.134100	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.026200	0.000000	0.000000
Other Asphalt Surfaces	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
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.147800	0.039700	0.187500	0.625000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	232.9889	232.9889	0.0197	2.3800e-003	234.1909
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	232.9889	232.9889	0.0197	2.3800e-003	234.1909
NaturalGas Mitigated	0.0115	0.1043	0.0876	6.3000e-004		7.9300e-003	7.9300e-003		7.9300e-003	7.9300e-003	0.0000	113.5395	113.5395	2.1800e-003	2.0800e-003	114.2142
NaturalGas Unmitigated	0.0115	0.1043	0.0876	6.3000e-004		7.9300e-003	7.9300e-003		7.9300e-003	7.9300e-003	0.0000	113.5395	113.5395	2.1800e-003	2.0800e-003	114.2142

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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	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	2.12765e+006	0.0115	0.1043	0.0876	6.3000e-004		7.9300e-003	7.9300e-003		7.9300e-003	7.9300e-003	0.0000	113.5395	113.5395	2.1800e-003	2.0800e-003	114.2142
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	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	0.0000
Total		0.0115	0.1043	0.0876	6.3000e-004		7.9300e-003	7.9300e-003		7.9300e-003	7.9300e-003	0.0000	113.5395	113.5395	2.1800e-003	2.0800e-003	114.2142

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	2.12765e+006	0.0115	0.1043	0.0876	6.3000e-004		7.9300e-003	7.9300e-003		7.9300e-003	7.9300e-003	0.0000	113.5395	113.5395	2.1800e-003	2.0800e-003	114.2142
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	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	0.0000
Total		0.0115	0.1043	0.0876	6.3000e-004		7.9300e-003	7.9300e-003		7.9300e-003	7.9300e-003	0.0000	113.5395	113.5395	2.1800e-003	2.0800e-003	114.2142

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	1.28654e+006	228.1623	0.0193	2.3300e-003	229.3393
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	27216	4.8266	4.1000e-004	5.0000e-005	4.8515
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		232.9889	0.0197	2.3800e-003	234.1909

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	1.28654e+006	228.1623	0.0193	2.3300e-003	229.3393
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	27216	4.8266	4.1000e-004	5.0000e-005	4.8515
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		232.9889	0.0197	2.3800e-003	234.1909

6.0 Area Detail

6.1 Mitigation Measures Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	tons/yr										MT/yr					
Mitigated	0.5079	8.0000e-005	9.3500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0182	0.0182	5.0000e-005	0.0000	0.0194
Unmitigated	0.5079	8.0000e-005	9.3500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0182	0.0182	5.0000e-005	0.0000	0.0194

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	tons/yr										MT/yr					
Architectural Coating	0.0592					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4479					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.6000e-004	8.0000e-005	9.3500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0182	0.0182	5.0000e-005	0.0000	0.0194
Total	0.5079	8.0000e-005	9.3500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0182	0.0182	5.0000e-005	0.0000	0.0194

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	tons/yr										MT/yr					
Architectural Coating	0.0592					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4479					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.6000e-004	8.0000e-005	9.3500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0182	0.0182	5.0000e-005	0.0000	0.0194
Total	0.5079	8.0000e-005	9.3500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0182	0.0182	5.0000e-005	0.0000	0.0194

7.0 Water Detail

7.1 Mitigation Measures Water

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	72.2605	0.8981	0.0217	101.1875
Unmitigated	72.2605	0.8981	0.0217	101.1875

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.154893	0.3052	3.0000e-005	0.0000	0.3068
General Heavy Industry	27.3962 / 0	71.9553	0.8980	0.0217	100.8807
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		72.2605	0.8981	0.0217	101.1875

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.154893	0.3052	3.0000e-005	0.0000	0.3068
General Heavy Industry	27.3962 / 0	71.9553	0.8980	0.0217	100.8807
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		72.2605	0.8981	0.0217	101.1875

8.0 Waste Detail

8.1 Mitigation Measures Waste

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	29.8214	1.7624	0.0000	73.8813
Unmitigated	29.8214	1.7624	0.0000	73.8813

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.01	2.0300e-003	1.2000e-004	0.0000	5.0300e-003
General Heavy Industry	146.9	29.8194	1.7623	0.0000	73.8762
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		29.8214	1.7624	0.0000	73.8813

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.01	2.0300e-003	1.2000e-004	0.0000	5.0300e-003
General Heavy Industry	146.9	29.8194	1.7623	0.0000	73.8762
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		29.8214	1.7624	0.0000	73.8813

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	1	4.00	365	200	0.37	CNG

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

UnMitigated/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
Equipment Type	tons/yr										MT/yr					
Tractors/Loaders/Backhoes	0.0200	0.1776	0.1371	5.8000e-004		6.4900e-003	6.4900e-003		5.9700e-003	5.9700e-003	0.0000	50.7695	50.7695	0.0164	0.0000	51.1800
Total	0.0200	0.1776	0.1371	5.8000e-004		6.4900e-003	6.4900e-003		5.9700e-003	5.9700e-003	0.0000	50.7695	50.7695	0.0164	0.0000	51.1800

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

Equipment Type	Number
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11.0 Vegetation

7400 Slauson Avenue (General Light Industrial Operations) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7400 Slauson Avenue (General Light Industrial Operations)

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	118.47	1000sqft	2.72	118,466.00	0
User Defined Industrial	118.47	User Defined Unit	0.00	0.00	0
Other Asphalt Surfaces	227.36	1000sqft	5.22	227,364.00	0
Parking Lot	269.00	Space	1.79	77,760.00	0
City Park	0.13	Acre	0.13	5,832.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total Project Area (without Warehouse use) is 9.86 acres

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Vehicle Trips - Trip characteristics based on information provided in the Traffic analysis

Operational Off-Road Equipment - Based on SCAQMD High Cube Warehouse Truck Trip Study White Paper Summary of Business Survey Results (2014)

Fleet Mix - Passenger Car Mix estimated based on the CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, & MCY). Truck Mix based on information in the Traffic analysis

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	PhaseEndDate	1/26/2024	12/31/2023
tblFleetMix	HHD	8.0790e-003	0.00
tblFleetMix	HHD	8.0790e-003	0.63
tblFleetMix	LDA	0.54	0.57
tblFleetMix	LDA	0.54	0.00
tblFleetMix	LDT1	0.06	0.07
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.19	0.20
tblFleetMix	LDT2	0.19	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.15
tblFleetMix	LHD2	6.2390e-003	0.00
tblFleetMix	LHD2	6.2390e-003	0.04
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.13	0.13
tblFleetMix	MDV	0.13	0.00
tblFleetMix	MH	3.3520e-003	0.00
tblFleetMix	MH	3.3520e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.19
tblFleetMix	OBUS	9.2300e-004	0.00
tblFleetMix	OBUS	9.2300e-004	0.00
tblFleetMix	SBUS	7.0200e-004	0.00
tblFleetMix	SBUS	7.0200e-004	0.00
tblFleetMix	UBUS	6.0400e-004	0.00
tblFleetMix	UBUS	6.0400e-004	0.00

7400 Slauson Avenue (General Light Industrial Operations) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblLandUse	LandUseSquareFeet	107,600.00	77,760.00
tblLandUse	LandUseSquareFeet	5,837.04	5,832.00
tblLandUse	LotAcreage	2.42	1.79
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PR_TP	66.00	0.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	6.42	1.88
tblVehicleTrips	ST_TR	0.00	0.11
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	5.09	4.72
tblVehicleTrips	SU_TR	0.00	0.28
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	3.93	4.63
tblVehicleTrips	WD_TR	0.00	0.27

7400 Slauson Avenue (General Light Industrial Operations) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.0 Emissions Summary

	ROG	NOx	CO	SO2	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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.7850	6.8000e-004	0.0748	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1605	0.1605	4.2000e-004		0.1710
Energy	0.0629	0.5715	0.4801	3.4300e-003		0.0434	0.0434		0.0434	0.0434		685.7855	685.7855	0.0131	0.0126	689.8607
Mobile	2.1146	7.0861	23.5179	0.0767	6.3245	0.0694	6.3939	1.6934	0.0654	1.7587		8,077.3724	8,077.3724	0.4082	0.6146	8,270.7315
Offroad	0.1094	0.9731	0.7513	3.1700e-003		0.0356	0.0356		0.0327	0.0327	0.0000	306.6512	306.6512	0.0992		309.1306
Total	5.0718	8.6314	24.8240	0.0833	6.3245	0.1487	6.4732	1.6934	0.1418	1.8351	0.0000	9,069.9695	9,069.9695	0.5209	0.6272	9,269.8938

7400 Slauson Avenue (General Light Industrial Operations) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.7850	6.8000e-004	0.0748	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1605	0.1605	4.2000e-004		0.1710
Energy	0.0629	0.5715	0.4801	3.4300e-003		0.0434	0.0434		0.0434	0.0434		685.7855	685.7855	0.0131	0.0126	689.8607
Mobile	2.1146	7.0861	23.5179	0.0767	6.3245	0.0694	6.3939	1.6934	0.0654	1.7587		8,077.3724	8,077.3724	0.4082	0.6146	8,270.7315
Offroad	0.1094	0.9731	0.7513	3.1700e-003		0.0356	0.0356		0.0327	0.0327	0.0000	306.6512	306.6512	0.0992		309.1306
Total	5.0718	8.6314	24.8240	0.0833	6.3245	0.1487	6.4732	1.6934	0.1418	1.8351	0.0000	9,069.9695	9,069.9695	0.5209	0.6272	9,269.8938

	ROG	NOx	CO	SO2	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	1/1/2024	12/31/2023	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

7400 Slauson Avenue (General Light Industrial Operations) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Acres of Paving: 7.01

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

7400 Slauson Avenue (General Light Industrial Operations) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.1146	7.0861	23.5179	0.0767	6.3245	0.0694	6.3939	1.6934	0.0654	1.7587		8,077.3724	8,077.3724	0.4082	0.6146	8,270.7315
Unmitigated	2.1146	7.0861	23.5179	0.0767	6.3245	0.0694	6.3939	1.6934	0.0654	1.7587		8,077.3724	8,077.3724	0.4082	0.6146	8,270.7315

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Heavy Industry	548.00	222.74	559.65	2,228,300	2,228,300
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
User Defined Industrial	32.00	13.01	32.68	427,816	427,816
Total	580.00	235.75	592.33	2,656,116	2,656,116

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Heavy Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Industrial	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

7400 Slauson Avenue (General Light Industrial Operations) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	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
General Heavy Industry	0.573300	0.067400	0.199000	0.134100	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.026200	0.000000	0.000000
Other Asphalt Surfaces	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
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.147800	0.039700	0.187500	0.625000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0629	0.5715	0.4801	3.4300e-003		0.0434	0.0434		0.0434	0.0434		685.7855	685.7855	0.0131	0.0126	689.8607
NaturalGas Unmitigated	0.0629	0.5715	0.4801	3.4300e-003		0.0434	0.0434		0.0434	0.0434		685.7855	685.7855	0.0131	0.0126	689.8607

7400 Slauson Avenue (General Light Industrial Operations) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	5829.18	0.0629	0.5715	0.4801	3.4300e-003		0.0434	0.0434		0.0434	0.0434		685.7855	685.7855	0.0131	0.0126	689.8607
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0629	0.5715	0.4801	3.4300e-003		0.0434	0.0434		0.0434	0.0434		685.7855	685.7855	0.0131	0.0126	689.8607

7400 Slauson Avenue (General Light Industrial Operations) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	5.82918	0.0629	0.5715	0.4801	3.4300e-003		0.0434	0.0434		0.0434	0.0434		685.7855	685.7855	0.0131	0.0126	689.8607
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0629	0.5715	0.4801	3.4300e-003		0.0434	0.0434		0.0434	0.0434		685.7855	685.7855	0.0131	0.0126	689.8607

6.0 Area Detail

6.1 Mitigation Measures Area

7400 Slauson Avenue (General Light Industrial Operations) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.7850	6.8000e-004	0.0748	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1605	0.1605	4.2000e-004		0.1710
Unmitigated	2.7850	6.8000e-004	0.0748	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1605	0.1605	4.2000e-004		0.1710

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	0.3241					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.4540					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.9000e-003	6.8000e-004	0.0748	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1605	0.1605	4.2000e-004		0.1710
Total	2.7850	6.8000e-004	0.0748	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1605	0.1605	4.2000e-004		0.1710

7400 Slauson Avenue (General Light Industrial Operations) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.3241					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.4540					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.9000e-003	6.8000e-004	0.0748	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1605	0.1605	4.2000e-004		0.1710
Total	2.7850	6.8000e-004	0.0748	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1605	0.1605	4.2000e-004		0.1710

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	1	4.00	365	200	0.37	CNG

7400 Slauson Avenue (General Light Industrial Operations) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

UnMitigated/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
Equipment Type	lb/day										lb/day					
Tractors/Loaders/Backhoes	0.1094	0.9731	0.7513	3.1700e-003		0.0356	0.0356		0.0327	0.0327	0.0000	306.6512	306.6512	0.0992		309.1306
Total	0.1094	0.9731	0.7513	3.1700e-003		0.0356	0.0356		0.0327	0.0327	0.0000	306.6512	306.6512	0.0992		309.1306

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

7400 Slauson Avenue (General Light Industrial Operations) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7400 Slauson Avenue (General Light Industrial Operations)

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	118.47	1000sqft	2.72	118,466.00	0
User Defined Industrial	118.47	User Defined Unit	0.00	0.00	0
Other Asphalt Surfaces	227.36	1000sqft	5.22	227,364.00	0
Parking Lot	269.00	Space	1.79	77,760.00	0
City Park	0.13	Acre	0.13	5,832.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total Project Area (without Warehouse use) is 9.86 acres

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Vehicle Trips - Trip characteristics based on information provided in the Traffic analysis

Operational Off-Road Equipment - Based on SCAQMD High Cube Warehouse Truck Trip Study White Paper Summary of Business Survey Results (2014)

Fleet Mix - Passenger Car Mix estimated based on the CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, & MCY). Truck Mix based on information in the Traffic analysis

7400 Slauson Avenue (General Light Industrial Operations) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	PhaseEndDate	1/26/2024	12/31/2023
tblFleetMix	HHD	8.0790e-003	0.00
tblFleetMix	HHD	8.0790e-003	0.63
tblFleetMix	LDA	0.54	0.57
tblFleetMix	LDA	0.54	0.00
tblFleetMix	LDT1	0.06	0.07
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.19	0.20
tblFleetMix	LDT2	0.19	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.15
tblFleetMix	LHD2	6.2390e-003	0.00
tblFleetMix	LHD2	6.2390e-003	0.04
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.13	0.13
tblFleetMix	MDV	0.13	0.00
tblFleetMix	MH	3.3520e-003	0.00
tblFleetMix	MH	3.3520e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.19
tblFleetMix	OBUS	9.2300e-004	0.00
tblFleetMix	OBUS	9.2300e-004	0.00
tblFleetMix	SBUS	7.0200e-004	0.00
tblFleetMix	SBUS	7.0200e-004	0.00
tblFleetMix	UBUS	6.0400e-004	0.00
tblFleetMix	UBUS	6.0400e-004	0.00

7400 Slauson Avenue (General Light Industrial Operations) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblLandUse	LandUseSquareFeet	107,600.00	77,760.00
tblLandUse	LandUseSquareFeet	5,837.04	5,832.00
tblLandUse	LotAcreage	2.42	1.79
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	33.00	0.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PR_TP	66.00	0.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	6.42	1.88
tblVehicleTrips	ST_TR	0.00	0.11
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	5.09	4.72
tblVehicleTrips	SU_TR	0.00	0.28
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	3.93	4.63
tblVehicleTrips	WD_TR	0.00	0.27

7400 Slauson Avenue (General Light Industrial Operations) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.0 Emissions Summary

	ROG	NOx	CO	SO2	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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.7850	6.8000e-004	0.0748	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1605	0.1605	4.2000e-004		0.1710
Energy	0.0629	0.5715	0.4801	3.4300e-003		0.0434	0.0434		0.0434	0.0434		685.7855	685.7855	0.0131	0.0126	689.8607
Mobile	2.0848	7.4654	22.8360	0.0745	6.3245	0.0695	6.3940	1.6934	0.0654	1.7588		7,845.4500	7,845.4500	0.4151	0.6237	8,041.6800
Offroad	0.1094	0.9731	0.7513	3.1700e-003		0.0356	0.0356		0.0327	0.0327	0.0000	306.6512	306.6512	0.0992		309.1306
Total	5.0420	9.0106	24.1421	0.0811	6.3245	0.1487	6.4732	1.6934	0.1418	1.8352	0.0000	8,838.0471	8,838.0471	0.5278	0.6362	9,040.8423

7400 Slauson Avenue (General Light Industrial Operations) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.7850	6.8000e-004	0.0748	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1605	0.1605	4.2000e-004		0.1710
Energy	0.0629	0.5715	0.4801	3.4300e-003		0.0434	0.0434		0.0434	0.0434		685.7855	685.7855	0.0131	0.0126	689.8607
Mobile	2.0848	7.4654	22.8360	0.0745	6.3245	0.0695	6.3940	1.6934	0.0654	1.7588		7,845.4500	7,845.4500	0.4151	0.6237	8,041.6800
Offroad	0.1094	0.9731	0.7513	3.1700e-003		0.0356	0.0356		0.0327	0.0327	0.0000	306.6512	306.6512	0.0992		309.1306
Total	5.0420	9.0106	24.1421	0.0811	6.3245	0.1487	6.4732	1.6934	0.1418	1.8352	0.0000	8,838.0471	8,838.0471	0.5278	0.6362	9,040.8423

	ROG	NOx	CO	SO2	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	1/1/2024	12/31/2023	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

7400 Slauson Avenue (General Light Industrial Operations) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Acres of Paving: 7.01

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

7400 Slauson Avenue (General Light Industrial Operations) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.0848	7.4654	22.8360	0.0745	6.3245	0.0695	6.3940	1.6934	0.0654	1.7588		7,845.4500	7,845.4500	0.4151	0.6237	8,041.6800
Unmitigated	2.0848	7.4654	22.8360	0.0745	6.3245	0.0695	6.3940	1.6934	0.0654	1.7588		7,845.4500	7,845.4500	0.4151	0.6237	8,041.6800

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Heavy Industry	548.00	222.74	559.65	2,228,300	2,228,300
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
User Defined Industrial	32.00	13.01	32.68	427,816	427,816
Total	580.00	235.75	592.33	2,656,116	2,656,116

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Heavy Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Industrial	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

7400 Slauson Avenue (General Light Industrial Operations) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	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
General Heavy Industry	0.573300	0.067400	0.199000	0.134100	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.026200	0.000000	0.000000
Other Asphalt Surfaces	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
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.147800	0.039700	0.187500	0.625000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0629	0.5715	0.4801	3.4300e-003		0.0434	0.0434		0.0434	0.0434		685.7855	685.7855	0.0131	0.0126	689.8607
NaturalGas Unmitigated	0.0629	0.5715	0.4801	3.4300e-003		0.0434	0.0434		0.0434	0.0434		685.7855	685.7855	0.0131	0.0126	689.8607

7400 Slauson Avenue (General Light Industrial Operations) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	5829.18	0.0629	0.5715	0.4801	3.4300e-003		0.0434	0.0434		0.0434	0.0434		685.7855	685.7855	0.0131	0.0126	689.8607
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0629	0.5715	0.4801	3.4300e-003		0.0434	0.0434		0.0434	0.0434		685.7855	685.7855	0.0131	0.0126	689.8607

7400 Slauson Avenue (General Light Industrial Operations) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	5.82918	0.0629	0.5715	0.4801	3.4300e-003		0.0434	0.0434		0.0434	0.0434		685.7855	685.7855	0.0131	0.0126	689.8607
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0629	0.5715	0.4801	3.4300e-003		0.0434	0.0434		0.0434	0.0434		685.7855	685.7855	0.0131	0.0126	689.8607

6.0 Area Detail

6.1 Mitigation Measures Area

7400 Slauson Avenue (General Light Industrial Operations) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.7850	6.8000e-004	0.0748	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1605	0.1605	4.2000e-004		0.1710
Unmitigated	2.7850	6.8000e-004	0.0748	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1605	0.1605	4.2000e-004		0.1710

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	0.3241					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.4540					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.9000e-003	6.8000e-004	0.0748	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1605	0.1605	4.2000e-004		0.1710
Total	2.7850	6.8000e-004	0.0748	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1605	0.1605	4.2000e-004		0.1710

7400 Slauson Avenue (General Light Industrial Operations) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.3241					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.4540					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.9000e-003	6.8000e-004	0.0748	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1605	0.1605	4.2000e-004		0.1710
Total	2.7850	6.8000e-004	0.0748	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1605	0.1605	4.2000e-004		0.1710

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Tractors/Loaders/Backhoes	1	4.00	365	200	0.37	CNG

7400 Slauson Avenue (General Light Industrial Operations) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

UnMitigated/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
Equipment Type	lb/day										lb/day					
Tractors/Loaders/Backhoes	0.1094	0.9731	0.7513	3.1700e-003		0.0356	0.0356		0.0327	0.0327	0.0000	306.6512	306.6512	0.0992		309.1306
Total	0.1094	0.9731	0.7513	3.1700e-003		0.0356	0.0356		0.0327	0.0327	0.0000	306.6512	306.6512	0.0992		309.1306

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

7400 Slauson Avenue (Warehouse Operations) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7400 Slauson Avenue (Warehouse Operations)

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	177.70	1000sqft	4.08	177,700.00	0
User Defined Industrial	177.70	User Defined Unit	0.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Vehicle Trips - Trip characteristics based on information provided in the Traffic analysis

Fleet Mix - Passenger Car Mix estimated based on the CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, & MCY). Truck Mix based on information in the Traffic analysis

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblFleetMix	HHD	8.0790e-003	0.00
tblFleetMix	HHD	8.0790e-003	0.63

7400 Slauson Avenue (Warehouse Operations) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	LDA	0.54	0.57
tblFleetMix	LDA	0.54	0.00
tblFleetMix	LDT1	0.06	0.07
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.19	0.20
tblFleetMix	LDT2	0.19	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.13
tblFleetMix	LHD2	6.2390e-003	0.00
tblFleetMix	LHD2	6.2390e-003	0.04
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.13	0.13
tblFleetMix	MDV	0.13	0.00
tblFleetMix	MH	3.3520e-003	0.00
tblFleetMix	MH	3.3520e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.20
tblFleetMix	OBUS	9.2300e-004	0.00
tblFleetMix	OBUS	9.2300e-004	0.00
tblFleetMix	SBUS	7.0200e-004	0.00
tblFleetMix	SBUS	7.0200e-004	0.00
tblFleetMix	UBUS	6.0400e-004	0.00
tblFleetMix	UBUS	6.0400e-004	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	0.00	100.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.74	0.14
tblVehicleTrips	ST_TR	0.00	8.3000e-003
tblVehicleTrips	SU_TR	1.74	0.06
tblVehicleTrips	SU_TR	0.00	3.3000e-003
tblVehicleTrips	WD_TR	1.74	1.11
tblVehicleTrips	WD_TR	0.00	0.61

2.0 Emissions Summary

	ROG	NOx	CO	SO2	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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	tons/yr										MT/yr					
Area	0.7249	4.0000e-005	4.5300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.8200e-003	8.8200e-003	2.0000e-005	0.0000	9.4000e-003
Energy	8.2000e-004	7.4900e-003	6.2900e-003	4.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	128.8550	128.8550	0.0103	1.3800e-003	129.5261
Mobile	0.1342	2.7406	1.6677	0.0157	0.7276	0.0189	0.7465	0.2011	0.0180	0.2191	0.0000	1,535.1169	1,535.1169	0.0693	0.1997	1,596.3556
Waste						0.0000	0.0000		0.0000	0.0000	33.9076	0.0000	33.9076	2.0039	0.0000	84.0047
Water						0.0000	0.0000		0.0000	0.0000	13.0370	94.8929	107.9299	1.3470	0.0326	151.3168
Total	0.8599	2.7482	1.6785	0.0158	0.7276	0.0195	0.7471	0.2011	0.0186	0.2197	46.9446	1,758.8736	1,805.8181	3.4305	0.2337	1,961.2126

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

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	tons/yr										MT/yr					
Area	0.7249	4.0000e-005	4.5300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.8200e-003	8.8200e-003	2.0000e-005	0.0000	9.4000e-003
Energy	8.2000e-004	7.4900e-003	6.2900e-003	4.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	128.8550	128.8550	0.0103	1.3800e-003	129.5261
Mobile	0.1342	2.7406	1.6677	0.0157	0.7276	0.0189	0.7465	0.2011	0.0180	0.2191	0.0000	1,535.1169	1,535.1169	0.0693	0.1997	1,596.3556
Waste						0.0000	0.0000		0.0000	0.0000	33.9076	0.0000	33.9076	2.0039	0.0000	84.0047
Water						0.0000	0.0000		0.0000	0.0000	13.0370	94.8929	107.9299	1.3470	0.0326	151.3168
Total	0.8599	2.7482	1.6785	0.0158	0.7276	0.0195	0.7471	0.2011	0.0186	0.2197	46.9446	1,758.8736	1,805.8181	3.4305	0.2337	1,961.2126

	ROG	NOx	CO	SO2	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	1/1/2024	12/31/2023	5	0	

Acres of Grading (Site Preparation Phase): 0

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Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	tons/yr										MT/yr					
Mitigated	0.1342	2.7406	1.6677	0.0157	0.7276	0.0189	0.7465	0.2011	0.0180	0.2191	0.0000	1,535.1169	1,535.1169	0.0693	0.1997	1,596.3556
Unmitigated	0.1342	2.7406	1.6677	0.0157	0.7276	0.0189	0.7465	0.2011	0.0180	0.2191	0.0000	1,535.1169	1,535.1169	0.0693	0.1997	1,596.3556

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	197.99	25.18	10.08	627,688	627,688
User Defined Industrial	108.01	1.47	0.59	1,127,551	1,127,551
Total	306.00	26.66	10.66	1,755,238	1,755,238

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
User Defined Industrial	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.573300	0.067400	0.199000	0.134100	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.026200	0.000000	0.000000
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.131400	0.035300	0.203700	0.629600	0.000000	0.000000	0.000000	0.000000	0.000000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	120.6998	120.6998	0.0102	1.2300e-003	121.3225
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	120.6998	120.6998	0.0102	1.2300e-003	121.3225
NaturalGas Mitigated	8.2000e-004	7.4900e-003	6.2900e-003	4.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	8.1552	8.1552	1.6000e-004	1.5000e-004	8.2036
NaturalGas Unmitigated	8.2000e-004	7.4900e-003	6.2900e-003	4.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	8.1552	8.1552	1.6000e-004	1.5000e-004	8.2036

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas 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	tons/yr										MT/yr					
Unrefrigerated Warehouse-No Rail	152822	8.2000e-004	7.4900e-003	6.2900e-003	4.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	8.1552	8.1552	1.6000e-004	1.5000e-004	8.2036
User Defined Industrial	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	0.0000
Total		8.2000e-004	7.4900e-003	6.2900e-003	4.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	8.1552	8.1552	1.6000e-004	1.5000e-004	8.2036

Mitigated

	Natural Gas 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	tons/yr										MT/yr					
Unrefrigerated Warehouse-No Rail	152822	8.2000e-004	7.4900e-003	6.2900e-003	4.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	8.1552	8.1552	1.6000e-004	1.5000e-004	8.2036
User Defined Industrial	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	0.0000
Total		8.2000e-004	7.4900e-003	6.2900e-003	4.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	8.1552	8.1552	1.6000e-004	1.5000e-004	8.2036

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	680591	120.6998	0.0102	1.2300e-003	121.3225
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		120.6998	0.0102	1.2300e-003	121.3225

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	680591	120.6998	0.0102	1.2300e-003	121.3225
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		120.6998	0.0102	1.2300e-003	121.3225

6.0 Area Detail

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	tons/yr										MT/yr					
Mitigated	0.7249	4.0000e-005	4.5300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.8200e-003	8.8200e-003	2.0000e-005	0.0000	9.4000e-003
Unmitigated	0.7249	4.0000e-005	4.5300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.8200e-003	8.8200e-003	2.0000e-005	0.0000	9.4000e-003

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	tons/yr										MT/yr					
Architectural Coating	0.0824					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6421					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.2000e-004	4.0000e-005	4.5300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.8200e-003	8.8200e-003	2.0000e-005	0.0000	9.4000e-003
Total	0.7249	4.0000e-005	4.5300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.8200e-003	8.8200e-003	2.0000e-005	0.0000	9.4000e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	tons/yr										MT/yr					
Architectural Coating	0.0824					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6421					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.2000e-004	4.0000e-005	4.5300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.8200e-003	8.8200e-003	2.0000e-005	0.0000	9.4000e-003
Total	0.7249	4.0000e-005	4.5300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.8200e-003	8.8200e-003	2.0000e-005	0.0000	9.4000e-003

7.0 Water Detail

7.1 Mitigation Measures Water

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	107.9299	1.3470	0.0326	151.3168
Unmitigated	107.9299	1.3470	0.0326	151.3168

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	41.0931 / 0	107.9299	1.3470	0.0326	151.3168
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		107.9299	1.3470	0.0326	151.3168

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	41.0931 / 0	107.9299	1.3470	0.0326	151.3168
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		107.9299	1.3470	0.0326	151.3168

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	33.9076	2.0039	0.0000	84.0047
Unmitigated	33.9076	2.0039	0.0000	84.0047

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	167.04	33.9076	2.0039	0.0000	84.0047
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		33.9076	2.0039	0.0000	84.0047

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	167.04	33.9076	2.0039	0.0000	84.0047
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		33.9076	2.0039	0.0000	84.0047

9.0 Operational Offroad

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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

Fire Pumps and Emergency Generators

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

Boilers

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

Equipment Type	Number
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11.0 Vegetation

7400 Slauson Avenue (Warehouse Operations) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7400 Slauson Avenue (Warehouse Operations)

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	177.70	1000sqft	4.08	177,700.00	0
User Defined Industrial	177.70	User Defined Unit	0.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Vehicle Trips - Trip characteristics based on information provided in the Traffic analysis

Fleet Mix - Passenger Car Mix estimated based on the CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, & MCY). Truck Mix based on information in the Traffic analysis

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblFleetMix	HHD	8.0790e-003	0.00
tblFleetMix	HHD	8.0790e-003	0.63

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tblFleetMix	LDA	0.54	0.57
tblFleetMix	LDA	0.54	0.00
tblFleetMix	LDT1	0.06	0.07
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.19	0.20
tblFleetMix	LDT2	0.19	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.13
tblFleetMix	LHD2	6.2390e-003	0.00
tblFleetMix	LHD2	6.2390e-003	0.04
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.13	0.13
tblFleetMix	MDV	0.13	0.00
tblFleetMix	MH	3.3520e-003	0.00
tblFleetMix	MH	3.3520e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.20
tblFleetMix	OBUS	9.2300e-004	0.00
tblFleetMix	OBUS	9.2300e-004	0.00
tblFleetMix	SBUS	7.0200e-004	0.00
tblFleetMix	SBUS	7.0200e-004	0.00
tblFleetMix	UBUS	6.0400e-004	0.00
tblFleetMix	UBUS	6.0400e-004	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	0.00	100.00

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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	3.9731	3.3000e-004	0.0362	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0778	0.0778	2.0000e-004		0.0829
Energy	4.5200e-003	0.0411	0.0345	2.5000e-004		3.1200e-003	3.1200e-003		3.1200e-003	3.1200e-003		49.2577	49.2577	9.4000e-004	9.0000e-004	49.5504
Mobile	1.0307	19.8622	12.6991	0.1206	5.6203	0.1444	5.7647	1.5512	0.1377	1.6889		12,990.5436	12,990.5436	0.5811	1.6821	13,506.3425
Total	5.0083	19.9036	12.7698	0.1208	5.6203	0.1476	5.7680	1.5512	0.1410	1.6922		13,039.8790	13,039.8790	0.5822	1.6830	13,555.9758

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.9731	3.3000e-004	0.0362	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0778	0.0778	2.0000e-004		0.0829
Energy	4.5200e-003	0.0411	0.0345	2.5000e-004		3.1200e-003	3.1200e-003		3.1200e-003	3.1200e-003		49.2577	49.2577	9.4000e-004	9.0000e-004	49.5504
Mobile	1.0307	19.8622	12.6991	0.1206	5.6203	0.1444	5.7647	1.5512	0.1377	1.6889		12,990.5436	12,990.5436	0.5811	1.6821	13,506.3425
Total	5.0083	19.9036	12.7698	0.1208	5.6203	0.1476	5.7680	1.5512	0.1410	1.6922		13,039.8790	13,039.8790	0.5822	1.6830	13,555.9758

7400 Slauson Avenue (Warehouse Operations) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	1/1/2024	12/31/2023	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

7400 Slauson Avenue (Warehouse Operations) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.0307	19.8622	12.6991	0.1206	5.6203	0.1444	5.7647	1.5512	0.1377	1.6889		12,990.54 36	12,990.54 36	0.5811	1.6821	13,506.34 25
Unmitigated	1.0307	19.8622	12.6991	0.1206	5.6203	0.1444	5.7647	1.5512	0.1377	1.6889		12,990.54 36	12,990.54 36	0.5811	1.6821	13,506.34 25

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	197.99	25.18	10.08	627,688	627,688
User Defined Industrial	108.01	1.47	0.59	1,127,551	1,127,551
Total	306.00	26.66	10.66	1,755,238	1,755,238

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
User Defined Industrial	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

7400 Slauson Avenue (Warehouse Operations) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.573300	0.067400	0.199000	0.134100	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.026200	0.000000	0.000000
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.131400	0.035300	0.203700	0.629600	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	4.5200e-003	0.0411	0.0345	2.5000e-004		3.1200e-003	3.1200e-003		3.1200e-003	3.1200e-003		49.2577	49.2577	9.4000e-004	9.0000e-004	49.5504
NaturalGas Unmitigated	4.5200e-003	0.0411	0.0345	2.5000e-004		3.1200e-003	3.1200e-003		3.1200e-003	3.1200e-003		49.2577	49.2577	9.4000e-004	9.0000e-004	49.5504

7400 Slauson Avenue (Warehouse Operations) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas 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					
Unrefrigerated Warehouse-No Rail	418.69	4.5200e-003	0.0411	0.0345	2.5000e-004		3.1200e-003	3.1200e-003		3.1200e-003	3.1200e-003		49.2577	49.2577	9.4000e-004	9.0000e-004	49.5504
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		4.5200e-003	0.0411	0.0345	2.5000e-004		3.1200e-003	3.1200e-003		3.1200e-003	3.1200e-003		49.2577	49.2577	9.4000e-004	9.0000e-004	49.5504

Mitigated

	Natural Gas 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					
Unrefrigerated Warehouse-No Rail	0.41869	4.5200e-003	0.0411	0.0345	2.5000e-004		3.1200e-003	3.1200e-003		3.1200e-003	3.1200e-003		49.2577	49.2577	9.4000e-004	9.0000e-004	49.5504
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		4.5200e-003	0.0411	0.0345	2.5000e-004		3.1200e-003	3.1200e-003		3.1200e-003	3.1200e-003		49.2577	49.2577	9.4000e-004	9.0000e-004	49.5504

6.0 Area Detail

7400 Slauson Avenue (Warehouse Operations) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	3.9731	3.3000e-004	0.0362	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0778	0.0778	2.0000e-004		0.0829
Unmitigated	3.9731	3.3000e-004	0.0362	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0778	0.0778	2.0000e-004		0.0829

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	0.4513					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.5185					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.3400e-003	3.3000e-004	0.0362	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0778	0.0778	2.0000e-004		0.0829
Total	3.9731	3.3000e-004	0.0362	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0778	0.0778	2.0000e-004		0.0829

7400 Slauson Avenue (Warehouse Operations) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.4513					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.5185					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.3400e-003	3.3000e-004	0.0362	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0778	0.0778	2.0000e-004		0.0829
Total	3.9731	3.3000e-004	0.0362	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0778	0.0778	2.0000e-004		0.0829

7.0 Water Detail

7.1 Mitigation Measures Water

7400 Slauson Avenue (Warehouse Operations) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

7400 Slauson Avenue (Warehouse Operations) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7400 Slauson Avenue (Warehouse Operations)

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	177.70	1000sqft	4.08	177,700.00	0
User Defined Industrial	177.70	User Defined Unit	0.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Vehicle Trips - Trip characteristics based on information provided in the Traffic analysis

Fleet Mix - Passenger Car Mix estimated based on the CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, & MCY). Truck Mix based on information in the Traffic analysis

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblFleetMix	HHD	8.0790e-003	0.00
tblFleetMix	HHD	8.0790e-003	0.63

7400 Slauson Avenue (Warehouse Operations) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	LDA	0.54	0.57
tblFleetMix	LDA	0.54	0.00
tblFleetMix	LDT1	0.06	0.07
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.19	0.20
tblFleetMix	LDT2	0.19	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.13
tblFleetMix	LHD2	6.2390e-003	0.00
tblFleetMix	LHD2	6.2390e-003	0.04
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.13	0.13
tblFleetMix	MDV	0.13	0.00
tblFleetMix	MH	3.3520e-003	0.00
tblFleetMix	MH	3.3520e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.20
tblFleetMix	OBUS	9.2300e-004	0.00
tblFleetMix	OBUS	9.2300e-004	0.00
tblFleetMix	SBUS	7.0200e-004	0.00
tblFleetMix	SBUS	7.0200e-004	0.00
tblFleetMix	UBUS	6.0400e-004	0.00
tblFleetMix	UBUS	6.0400e-004	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	0.00	100.00

7400 Slauson Avenue (Warehouse Operations) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	3.9731	3.3000e-004	0.0362	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0778	0.0778	2.0000e-004		0.0829
Energy	4.5200e-003	0.0411	0.0345	2.5000e-004		3.1200e-003	3.1200e-003		3.1200e-003	3.1200e-003		49.2577	49.2577	9.4000e-004	9.0000e-004	49.5504
Mobile	1.0118	20.7220	12.4882	0.1199	5.6203	0.1445	5.7649	1.5512	0.1379	1.6891		12,915.2435	12,915.2435	0.5829	1.6869	13,432.5006
Total	4.9894	20.7634	12.5589	0.1201	5.6203	0.1478	5.7681	1.5512	0.1411	1.6923		12,964.5790	12,964.5790	0.5840	1.6878	13,482.1339

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.9731	3.3000e-004	0.0362	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0778	0.0778	2.0000e-004		0.0829
Energy	4.5200e-003	0.0411	0.0345	2.5000e-004		3.1200e-003	3.1200e-003		3.1200e-003	3.1200e-003		49.2577	49.2577	9.4000e-004	9.0000e-004	49.5504
Mobile	1.0118	20.7220	12.4882	0.1199	5.6203	0.1445	5.7649	1.5512	0.1379	1.6891		12,915.2435	12,915.2435	0.5829	1.6869	13,432.5006
Total	4.9894	20.7634	12.5589	0.1201	5.6203	0.1478	5.7681	1.5512	0.1411	1.6923		12,964.5790	12,964.5790	0.5840	1.6878	13,482.1339

7400 Slauson Avenue (Warehouse Operations) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	1/1/2024	12/31/2023	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

7400 Slauson Avenue (Warehouse Operations) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.0118	20.7220	12.4882	0.1199	5.6203	0.1445	5.7649	1.5512	0.1379	1.6891		12,915.2435	12,915.2435	0.5829	1.6869	13,432.5006
Unmitigated	1.0118	20.7220	12.4882	0.1199	5.6203	0.1445	5.7649	1.5512	0.1379	1.6891		12,915.2435	12,915.2435	0.5829	1.6869	13,432.5006

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	197.99	25.18	10.08	627,688	627,688
User Defined Industrial	108.01	1.47	0.59	1,127,551	1,127,551
Total	306.00	26.66	10.66	1,755,238	1,755,238

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
User Defined Industrial	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

7400 Slauson Avenue (Warehouse Operations) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.573300	0.067400	0.199000	0.134100	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.026200	0.000000	0.000000
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.131400	0.035300	0.203700	0.629600	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	4.5200e-003	0.0411	0.0345	2.5000e-004		3.1200e-003	3.1200e-003		3.1200e-003	3.1200e-003		49.2577	49.2577	9.4000e-004	9.0000e-004	49.5504
NaturalGas Unmitigated	4.5200e-003	0.0411	0.0345	2.5000e-004		3.1200e-003	3.1200e-003		3.1200e-003	3.1200e-003		49.2577	49.2577	9.4000e-004	9.0000e-004	49.5504

7400 Slauson Avenue (Warehouse Operations) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas 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					
Unrefrigerated Warehouse-No Rail	418.69	4.5200e-003	0.0411	0.0345	2.5000e-004		3.1200e-003	3.1200e-003		3.1200e-003	3.1200e-003		49.2577	49.2577	9.4000e-004	9.0000e-004	49.5504
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		4.5200e-003	0.0411	0.0345	2.5000e-004		3.1200e-003	3.1200e-003		3.1200e-003	3.1200e-003		49.2577	49.2577	9.4000e-004	9.0000e-004	49.5504

Mitigated

	Natural Gas 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					
Unrefrigerated Warehouse-No Rail	0.41869	4.5200e-003	0.0411	0.0345	2.5000e-004		3.1200e-003	3.1200e-003		3.1200e-003	3.1200e-003		49.2577	49.2577	9.4000e-004	9.0000e-004	49.5504
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		4.5200e-003	0.0411	0.0345	2.5000e-004		3.1200e-003	3.1200e-003		3.1200e-003	3.1200e-003		49.2577	49.2577	9.4000e-004	9.0000e-004	49.5504

6.0 Area Detail

7400 Slauson Avenue (Warehouse Operations) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	3.9731	3.3000e-004	0.0362	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0778	0.0778	2.0000e-004		0.0829
Unmitigated	3.9731	3.3000e-004	0.0362	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0778	0.0778	2.0000e-004		0.0829

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	0.4513					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.5185					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.3400e-003	3.3000e-004	0.0362	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0778	0.0778	2.0000e-004		0.0829
Total	3.9731	3.3000e-004	0.0362	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0778	0.0778	2.0000e-004		0.0829

7400 Slauson Avenue (Warehouse Operations) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.4513					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.5185					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.3400e-003	3.3000e-004	0.0362	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0778	0.0778	2.0000e-004		0.0829
Total	3.9731	3.3000e-004	0.0362	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0778	0.0778	2.0000e-004		0.0829

7.0 Water Detail

7.1 Mitigation Measures Water

7400 Slauson Avenue (Warehouse Operations) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

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APPENDIX 4.3:

CALEEMOD EXISTING OPERATIONAL EMISSIONS MODEL OUTPUTS

7400 Slauson Avenue (Existing Operations) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7400 Slauson Avenue (Existing Operations)

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	249.58	1000sqft	5.73	249,579.00	0
User Defined Industrial	249.58	User Defined Unit	0.00	0.00	0
Other Asphalt Surfaces	8.21	Acre	8.21	357,627.60	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	390.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Vehicle Trips - Trip characteristics based on information provided in the Traffic analysis

Fleet Mix - Passenger Car Mix estimated based on the CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, & MCY). Truck Mix based on information in the Traffic analysis

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	PhaseEndDate	1/26/2024	12/31/2023

7400 Slauson Avenue (Existing Operations) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	HHD	8.0790e-003	0.00
tblFleetMix	HHD	8.0790e-003	0.23
tblFleetMix	LDA	0.54	0.57
tblFleetMix	LDA	0.54	0.00
tblFleetMix	LDT1	0.06	0.07
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.19	0.20
tblFleetMix	LDT2	0.19	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.25
tblFleetMix	LHD2	6.2390e-003	0.00
tblFleetMix	LHD2	6.2390e-003	0.07
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.13	0.13
tblFleetMix	MDV	0.13	0.00
tblFleetMix	MH	3.3520e-003	0.00
tblFleetMix	MH	3.3520e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.45
tblFleetMix	OBUS	9.2300e-004	0.00
tblFleetMix	OBUS	9.2300e-004	0.00
tblFleetMix	SBUS	7.0200e-004	0.00
tblFleetMix	SBUS	7.0200e-004	0.00
tblFleetMix	UBUS	6.0400e-004	0.00
tblFleetMix	UBUS	6.0400e-004	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	1.74	0.23
tblVehicleTrips	ST_TR	0.00	0.10
tblVehicleTrips	SU_TR	1.74	0.09
tblVehicleTrips	SU_TR	0.00	0.04
tblVehicleTrips	WD_TR	1.74	2.61
tblVehicleTrips	WD_TR	0.00	1.10

2.0 Emissions Summary

	ROG	NOx	CO	SO2	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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

7400 Slauson Avenue (Existing Operations) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	tons/yr										MT/yr					
Area	1.0462	6.0000e-005	6.4600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0126	0.0126	3.0000e-005	0.0000	0.0134
Energy	1.1600e-003	0.0105	8.8400e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004	0.0000	180.9763	180.9763	0.0145	1.9400e-003	181.9189
Mobile	0.4014	4.5787	4.6433	0.0365	2.0789	0.0340	2.1130	0.5836	0.0324	0.6159	0.0000	3,491.7540	3,491.7540	0.0973	0.3688	3,604.0835
Waste						0.0000	0.0000		0.0000	0.0000	47.6237	0.0000	47.6237	2.8145	0.0000	117.9857
Water						0.0000	0.0000		0.0000	0.0000	18.3104	133.2773	151.5877	1.8919	0.0458	212.5248
Total	1.4488	4.5893	4.6586	0.0366	2.0789	0.0349	2.1138	0.5836	0.0332	0.6168	65.9341	3,806.0202	3,871.9543	4.8183	0.4165	4,116.5263

7400 Slauson Avenue (Existing Operations) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

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	tons/yr										MT/yr					
Area	1.0462	6.0000e-005	6.4600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0126	0.0126	3.0000e-005	0.0000	0.0134
Energy	1.1600e-003	0.0105	8.8400e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004	0.0000	180.9763	180.9763	0.0145	1.9400e-003	181.9189
Mobile	0.4014	4.5787	4.6433	0.0365	2.0789	0.0340	2.1130	0.5836	0.0324	0.6159	0.0000	3,491.7540	3,491.7540	0.0973	0.3688	3,604.0835
Waste						0.0000	0.0000		0.0000	0.0000	47.6237	0.0000	47.6237	2.8145	0.0000	117.9857
Water						0.0000	0.0000		0.0000	0.0000	18.3104	133.2773	151.5877	1.8919	0.0458	212.5248
Total	1.4488	4.5893	4.6586	0.0366	2.0789	0.0349	2.1138	0.5836	0.0332	0.6168	65.9341	3,806.0202	3,871.9543	4.8183	0.4165	4,116.5263

	ROG	NOx	CO	SO2	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	1/1/2024	12/31/2023	5	0	

Acres of Grading (Site Preparation Phase): 0

7400 Slauson Avenue (Existing Operations) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Acres of Grading (Grading Phase): 0

Acres of Paving: 8.21

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

7400 Slauson Avenue (Existing Operations) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	tons/yr										MT/yr					
Mitigated	0.4014	4.5787	4.6433	0.0365	2.0789	0.0340	2.1130	0.5836	0.0324	0.6159	0.0000	3,491.7540	3,491.7540	0.0973	0.3688	3,604.0835
Unmitigated	0.4014	4.5787	4.6433	0.0365	2.0789	0.0340	2.1130	0.5836	0.0324	0.6159	0.0000	3,491.7540	3,491.7540	0.0973	0.3688	3,604.0835

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	651.75	56.83	22.74	2,043,870	2,043,870
User Defined Industrial	275.51	24.01	9.61	2,935,233	2,935,233
Total	927.26	80.84	32.35	4,979,103	4,979,103

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	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	92	5	3
User Defined Industrial	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	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
Unrefrigerated Warehouse-No Rail	0.573300	0.067400	0.199000	0.134100	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.026200	0.000000	0.000000

7400 Slauson Avenue (Existing Operations) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.254200	0.068200	0.449300	0.228300	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
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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	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	169.5224	169.5224	0.0143	1.7300e-003	170.3969
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	169.5224	169.5224	0.0143	1.7300e-003	170.3969
NaturalGas Mitigated	1.1600e-003	0.0105	8.8400e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004	0.0000	11.4539	11.4539	2.2000e-004	2.1000e-004	11.5220
NaturalGas Unmitigated	1.1600e-003	0.0105	8.8400e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004	0.0000	11.4539	11.4539	2.2000e-004	2.1000e-004	11.5220

7400 Slauson Avenue (Existing Operations) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas 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	tons/yr										MT/yr					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	214638	1.1600e-003	0.0105	8.8400e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004	0.0000	11.4539	11.4539	2.2000e-004	2.1000e-004	11.5220
User Defined Industrial	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	0.0000
Total		1.1600e-003	0.0105	8.8400e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004	0.0000	11.4539	11.4539	2.2000e-004	2.1000e-004	11.5220

7400 Slauson Avenue (Existing Operations) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - Natural Gas

Mitigated

	Natural Gas 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	tons/yr										MT/yr					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	214638	1.1600e-003	0.0105	8.8400e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004	0.0000	11.4539	11.4539	2.2000e-004	2.1000e-004	11.5220
User Defined Industrial	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	0.0000
Total		1.1600e-003	0.0105	8.8400e-003	6.0000e-005		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004	0.0000	11.4539	11.4539	2.2000e-004	2.1000e-004	11.5220

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	955888	169.5224	0.0143	1.7300e-003	170.3969
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		169.5224	0.0143	1.7300e-003	170.3969

7400 Slauson Avenue (Existing Operations) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	955888	169.5224	0.0143	1.7300e-003	170.3969
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		169.5224	0.0143	1.7300e-003	170.3969

6.0 Area Detail

6.1 Mitigation Measures Area

7400 Slauson Avenue (Existing Operations) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	tons/yr										MT/yr					
Mitigated	1.0462	6.0000e-005	6.4600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0126	0.0126	3.0000e-005	0.0000	0.0134
Unmitigated	1.0462	6.0000e-005	6.4600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0126	0.0126	3.0000e-005	0.0000	0.0134

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	tons/yr										MT/yr					
Architectural Coating	0.1207					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.9250					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.0000e-004	6.0000e-005	6.4600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0126	0.0126	3.0000e-005	0.0000	0.0134
Total	1.0462	6.0000e-005	6.4600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0126	0.0126	3.0000e-005	0.0000	0.0134

7400 Slauson Avenue (Existing Operations) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	tons/yr										MT/yr					
Architectural Coating	0.1207					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.9250					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.0000e-004	6.0000e-005	6.4600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0126	0.0126	3.0000e-005	0.0000	0.0134
Total	1.0462	6.0000e-005	6.4600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0126	0.0126	3.0000e-005	0.0000	0.0134

7.0 Water Detail

7.1 Mitigation Measures Water

7400 Slauson Avenue (Existing Operations) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	151.5877	1.8919	0.0458	212.5248
Unmitigated	151.5877	1.8919	0.0458	212.5248

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	57.7154 / 0	151.5877	1.8919	0.0458	212.5248
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		151.5877	1.8919	0.0458	212.5248

7400 Slauson Avenue (Existing Operations) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	57.7154 / 0	151.5877	1.8919	0.0458	212.5248
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		151.5877	1.8919	0.0458	212.5248

8.0 Waste Detail

8.1 Mitigation Measures Waste

7400 Slauson Avenue (Existing Operations) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	47.6237	2.8145	0.0000	117.9857
Unmitigated	47.6237	2.8145	0.0000	117.9857

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	234.61	47.6237	2.8145	0.0000	117.9857
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		47.6237	2.8145	0.0000	117.9857

7400 Slauson Avenue (Existing Operations) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	234.61	47.6237	2.8145	0.0000	117.9857
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		47.6237	2.8145	0.0000	117.9857

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

7400 Slauson Avenue (Existing Operations) - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

11.0 Vegetation

7400 Slauson Avenue (Existing Operations) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7400 Slauson Avenue (Existing Operations)

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	249.58	1000sqft	5.73	249,579.00	0
User Defined Industrial	249.58	User Defined Unit	0.00	0.00	0
Other Asphalt Surfaces	8.21	Acre	8.21	357,627.60	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	390.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Vehicle Trips - Trip characteristics based on information provided in the Traffic analysis

Fleet Mix - Passenger Car Mix estimated based on the CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, & MCY). Truck Mix based on information in the Traffic analysis

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	PhaseEndDate	1/26/2024	12/31/2023

7400 Slauson Avenue (Existing Operations) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	HHD	8.0790e-003	0.00
tblFleetMix	HHD	8.0790e-003	0.23
tblFleetMix	LDA	0.54	0.57
tblFleetMix	LDA	0.54	0.00
tblFleetMix	LDT1	0.06	0.07
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.19	0.20
tblFleetMix	LDT2	0.19	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.25
tblFleetMix	LHD2	6.2390e-003	0.00
tblFleetMix	LHD2	6.2390e-003	0.07
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.13	0.13
tblFleetMix	MDV	0.13	0.00
tblFleetMix	MH	3.3520e-003	0.00
tblFleetMix	MH	3.3520e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.45
tblFleetMix	OBUS	9.2300e-004	0.00
tblFleetMix	OBUS	9.2300e-004	0.00
tblFleetMix	SBUS	7.0200e-004	0.00
tblFleetMix	SBUS	7.0200e-004	0.00
tblFleetMix	UBUS	6.0400e-004	0.00
tblFleetMix	UBUS	6.0400e-004	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

7400 Slauson Avenue (Existing Operations) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	5.7342	4.7000e-004	0.0517	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1110	0.1110	2.9000e-004		0.1183
Energy	6.3400e-003	0.0577	0.0484	3.5000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003		69.1823	69.1823	1.3300e-003	1.2700e-003	69.5934
Mobile	3.0844	32.4302	35.4106	0.2764	15.8900	0.2558	16.1458	4.4506	0.2433	4.6939		29,127.40 32	29,127.40 32	0.8004	3.0375	30,052.57 76
Total	8.8249	32.4883	35.5107	0.2767	15.8900	0.2604	16.1503	4.4506	0.2479	4.6985		29,196.69 65	29,196.69 65	0.8020	3.0387	30,122.28 92

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	5.7342	4.7000e-004	0.0517	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1110	0.1110	2.9000e-004		0.1183
Energy	6.3400e-003	0.0577	0.0484	3.5000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003		69.1823	69.1823	1.3300e-003	1.2700e-003	69.5934
Mobile	3.0844	32.4302	35.4106	0.2764	15.8900	0.2558	16.1458	4.4506	0.2433	4.6939		29,127.40 32	29,127.40 32	0.8004	3.0375	30,052.57 76
Total	8.8249	32.4883	35.5107	0.2767	15.8900	0.2604	16.1503	4.4506	0.2479	4.6985		29,196.69 65	29,196.69 65	0.8020	3.0387	30,122.28 92

7400 Slauson Avenue (Existing Operations) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	1/1/2024	12/31/2023	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 8.21

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

7400 Slauson Avenue (Existing Operations) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.0844	32.4302	35.4106	0.2764	15.8900	0.2558	16.1458	4.4506	0.2433	4.6939		29,127.40 32	29,127.40 32	0.8004	3.0375	30,052.57 76
Unmitigated	3.0844	32.4302	35.4106	0.2764	15.8900	0.2558	16.1458	4.4506	0.2433	4.6939		29,127.40 32	29,127.40 32	0.8004	3.0375	30,052.57 76

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	651.75	56.83	22.74	2,043,870	2,043,870
User Defined Industrial	275.51	24.01	9.61	2,935,233	2,935,233
Total	927.26	80.84	32.35	4,979,103	4,979,103

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	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	92	5	3
User Defined Industrial	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0

7400 Slauson Avenue (Existing Operations) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	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
Unrefrigerated Warehouse-No Rail	0.573300	0.067400	0.199000	0.134100	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.026200	0.000000	0.000000
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.254200	0.068200	0.449300	0.228300	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	6.3400e-003	0.0577	0.0484	3.5000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003		69.1823	69.1823	1.3300e-003	1.2700e-003	69.5934
NaturalGas Unmitigated	6.3400e-003	0.0577	0.0484	3.5000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003		69.1823	69.1823	1.3300e-003	1.2700e-003	69.5934

7400 Slauson Avenue (Existing Operations) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas 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					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	588.049	6.3400e-003	0.0577	0.0484	3.5000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003		69.1823	69.1823	1.3300e-003	1.2700e-003	69.5934
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		6.3400e-003	0.0577	0.0484	3.5000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003		69.1823	69.1823	1.3300e-003	1.2700e-003	69.5934

7400 Slauson Avenue (Existing Operations) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - Natural Gas

Mitigated

	Natural Gas 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					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0.588049	6.3400e-003	0.0577	0.0484	3.5000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003		69.1823	69.1823	1.3300e-003	1.2700e-003	69.5934
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		6.3400e-003	0.0577	0.0484	3.5000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003		69.1823	69.1823	1.3300e-003	1.2700e-003	69.5934

6.0 Area Detail

6.1 Mitigation Measures Area

7400 Slauson Avenue (Existing Operations) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	5.7342	4.7000e-004	0.0517	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1110	0.1110	2.9000e-004		0.1183
Unmitigated	5.7342	4.7000e-004	0.0517	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1110	0.1110	2.9000e-004		0.1183

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	0.6611					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.0683					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.7700e-003	4.7000e-004	0.0517	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1110	0.1110	2.9000e-004		0.1183
Total	5.7342	4.7000e-004	0.0517	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1110	0.1110	2.9000e-004		0.1183

7400 Slauson Avenue (Existing Operations) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.6611					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.0683					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.7700e-003	4.7000e-004	0.0517	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1110	0.1110	2.9000e-004		0.1183
Total	5.7342	4.7000e-004	0.0517	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1110	0.1110	2.9000e-004		0.1183

7.0 Water Detail

7.1 Mitigation Measures Water

7400 Slauson Avenue (Existing Operations) - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

7400 Slauson Avenue (Existing Operations) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7400 Slauson Avenue (Existing Operations)

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	249.58	1000sqft	5.73	249,579.00	0
User Defined Industrial	249.58	User Defined Unit	0.00	0.00	0
Other Asphalt Surfaces	8.21	Acre	8.21	357,627.60	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	390.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Operations run only

Off-road Equipment - Operations run only

Vehicle Trips - Trip characteristics based on information provided in the Traffic analysis

Fleet Mix - Passenger Car Mix estimated based on the CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, & MCY). Truck Mix based on information in the Traffic analysis

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	PhaseEndDate	1/26/2024	12/31/2023

7400 Slauson Avenue (Existing Operations) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	HHD	8.0790e-003	0.00
tblFleetMix	HHD	8.0790e-003	0.23
tblFleetMix	LDA	0.54	0.57
tblFleetMix	LDA	0.54	0.00
tblFleetMix	LDT1	0.06	0.07
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.19	0.20
tblFleetMix	LDT2	0.19	0.00
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD1	0.02	0.25
tblFleetMix	LHD2	6.2390e-003	0.00
tblFleetMix	LHD2	6.2390e-003	0.07
tblFleetMix	MCY	0.02	0.03
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.13	0.13
tblFleetMix	MDV	0.13	0.00
tblFleetMix	MH	3.3520e-003	0.00
tblFleetMix	MH	3.3520e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.45
tblFleetMix	OBUS	9.2300e-004	0.00
tblFleetMix	OBUS	9.2300e-004	0.00
tblFleetMix	SBUS	7.0200e-004	0.00
tblFleetMix	SBUS	7.0200e-004	0.00
tblFleetMix	UBUS	6.0400e-004	0.00
tblFleetMix	UBUS	6.0400e-004	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

7400 Slauson Avenue (Existing Operations) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	5.7342	4.7000e-004	0.0517	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1110	0.1110	2.9000e-004		0.1183
Energy	6.3400e-003	0.0577	0.0484	3.5000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003		69.1823	69.1823	1.3300e-003	1.2700e-003	69.5934
Mobile	3.0452	33.8861	34.6278	0.2739	15.8900	0.2560	16.1459	4.4506	0.2435	4.6941		28,868.5841	28,868.5841	0.8074	3.0532	29,798.6267
Total	8.7858	33.9443	34.7279	0.2742	15.8900	0.2605	16.1505	4.4506	0.2480	4.6986		28,937.8774	28,937.8774	0.8090	3.0545	29,868.3384

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	5.7342	4.7000e-004	0.0517	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1110	0.1110	2.9000e-004		0.1183
Energy	6.3400e-003	0.0577	0.0484	3.5000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003		69.1823	69.1823	1.3300e-003	1.2700e-003	69.5934
Mobile	3.0452	33.8861	34.6278	0.2739	15.8900	0.2560	16.1459	4.4506	0.2435	4.6941		28,868.5841	28,868.5841	0.8074	3.0532	29,798.6267
Total	8.7858	33.9443	34.7279	0.2742	15.8900	0.2605	16.1505	4.4506	0.2480	4.6986		28,937.8774	28,937.8774	0.8090	3.0545	29,868.3384

7400 Slauson Avenue (Existing Operations) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	1/1/2024	12/31/2023	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 8.21

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

7400 Slauson Avenue (Existing Operations) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.0452	33.8861	34.6278	0.2739	15.8900	0.2560	16.1459	4.4506	0.2435	4.6941		28,868.58 41	28,868.58 41	0.8074	3.0532	29,798.62 67
Unmitigated	3.0452	33.8861	34.6278	0.2739	15.8900	0.2560	16.1459	4.4506	0.2435	4.6941		28,868.58 41	28,868.58 41	0.8074	3.0532	29,798.62 67

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	651.75	56.83	22.74	2,043,870	2,043,870
User Defined Industrial	275.51	24.01	9.61	2,935,233	2,935,233
Total	927.26	80.84	32.35	4,979,103	4,979,103

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	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	92	5	3
User Defined Industrial	40.00	8.40	6.90	100.00	0.00	0.00	100	0	0

7400 Slauson Avenue (Existing Operations) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	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
Unrefrigerated Warehouse-No Rail	0.573300	0.067400	0.199000	0.134100	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.026200	0.000000	0.000000
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.254200	0.068200	0.449300	0.228300	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	6.3400e-003	0.0577	0.0484	3.5000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003		69.1823	69.1823	1.3300e-003	1.2700e-003	69.5934
NaturalGas Unmitigated	6.3400e-003	0.0577	0.0484	3.5000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003		69.1823	69.1823	1.3300e-003	1.2700e-003	69.5934

7400 Slauson Avenue (Existing Operations) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas 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					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	588.049	6.3400e-003	0.0577	0.0484	3.5000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003		69.1823	69.1823	1.3300e-003	1.2700e-003	69.5934
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		6.3400e-003	0.0577	0.0484	3.5000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003		69.1823	69.1823	1.3300e-003	1.2700e-003	69.5934

7400 Slauson Avenue (Existing Operations) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - Natural Gas

Mitigated

	Natural Gas 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					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0.588049	6.3400e-003	0.0577	0.0484	3.5000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003		69.1823	69.1823	1.3300e-003	1.2700e-003	69.5934
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		6.3400e-003	0.0577	0.0484	3.5000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003		69.1823	69.1823	1.3300e-003	1.2700e-003	69.5934

6.0 Area Detail

6.1 Mitigation Measures Area

7400 Slauson Avenue (Existing Operations) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	5.7342	4.7000e-004	0.0517	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1110	0.1110	2.9000e-004		0.1183
Unmitigated	5.7342	4.7000e-004	0.0517	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1110	0.1110	2.9000e-004		0.1183

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	0.6611					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.0683					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.7700e-003	4.7000e-004	0.0517	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1110	0.1110	2.9000e-004		0.1183
Total	5.7342	4.7000e-004	0.0517	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1110	0.1110	2.9000e-004		0.1183

7400 Slauson Avenue (Existing Operations) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.6611					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.0683					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.7700e-003	4.7000e-004	0.0517	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1110	0.1110	2.9000e-004		0.1183
Total	5.7342	4.7000e-004	0.0517	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1110	0.1110	2.9000e-004		0.1183

7.0 Water Detail

7.1 Mitigation Measures Water

7400 Slauson Avenue (Existing Operations) - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

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APPENDIX 4.4:

EMFAC2021 EMISSIONS INVENTORY

Source: EMFAC2021 (v1.0.2) Emissions Inventory

Region Type: Sub-Area

Region: Los Angeles (SC)

Calendar Year: 2024

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/year for CVMT and EVMT, trips/year for Trips, kWh/year for Energy Consumption, tons/year for Emissions, 1000 gallons/year for Fuel Consumption

Region	CalYr	VehClass	MdYr	Speed	Fuel	Population	VMT	Fuel_Consumption	Fuel_Consumption	Total Fuel	VMT	Total VMT	Miles per Gallon	Vehicle Class
Los Angeles (SC)	2024	HHDT	Aggregate	Aggregate	Gasoline	43.66381395	964905.0686	238.2879602	238287.9602	361035759.6	964905.0686	2180527278	6.04	HHDT
Los Angeles (SC)	2024	HHDT	Aggregate	Aggregate	Diesel	52323.86623	2060860651	341384.8705	341384870.5		2060860651			
Los Angeles (SC)	2024	HHDT	Aggregate	Aggregate	Electricity	159.3276671	5150931.508	0	0		5150931.508			
Los Angeles (SC)	2024	HHDT	Aggregate	Aggregate	Natural Gas	5707.00382	113550790.8	19412.60118	19412601.18		113550790.8			
Los Angeles (SC)	2024	LDA	Aggregate	Aggregate	Gasoline	3312060.357	45400896438	1565744.242	1565744242	1594637015	45400896438	49819188375	31.24	LDA
Los Angeles (SC)	2024	LDA	Aggregate	Aggregate	Diesel	8789.19002	89167962.63	2224.487344	2224487.344		89167962.63			
Los Angeles (SC)	2024	LDA	Aggregate	Aggregate	Electricity	171677.6521	2844112731	0	0		2844112731			
Los Angeles (SC)	2024	LDA	Aggregate	Aggregate	Plug-in Hybrid	91933.06913	1485011244	26668.2855	26668285.5		1485011244			
Los Angeles (SC)	2024	LDT1	Aggregate	Aggregate	Gasoline	311828.9204	3941207490	162789.8084	162789808.4	162962614.3	3941207490	3962551886	24.32	LDT1
Los Angeles (SC)	2024	LDT1	Aggregate	Aggregate	Diesel	118.5293676	821893.2714	35.70854653	35708.54653		821893.2714			
Los Angeles (SC)	2024	LDT1	Aggregate	Aggregate	Electricity	868.5158405	12130656.68	0	0		12130656.68			
Los Angeles (SC)	2024	LDT1	Aggregate	Aggregate	Plug-in Hybrid	472.0350753	8391846.715	137.0973992	137097.3992		8391846.715			
Los Angeles (SC)	2024	LDT2	Aggregate	Aggregate	Gasoline	1566130.15	22449473527	945766.0965	945766096.5	952149249.7	22449473527	22892527607	24.04	LDT2
Los Angeles (SC)	2024	LDT2	Aggregate	Aggregate	Diesel	4948.489318	74545659.64	2370.305746	2370305.746		74545659.64			
Los Angeles (SC)	2024	LDT2	Aggregate	Aggregate	Electricity	10499.25109	133688497.3	0	0		133688497.3			
Los Angeles (SC)	2024	LDT2	Aggregate	Aggregate	Plug-in Hybrid	13716.62465	234819923.1	4012.847465	4012847.465		234819923.1			
Los Angeles (SC)	2024	LHDT1	Aggregate	Aggregate	Gasoline	123836.5988	1613684331	119395.1355	119395135.5	158908626.3	1613684331	2433798122	15.32	LHDT1
Los Angeles (SC)	2024	LHDT1	Aggregate	Aggregate	Diesel	55652.48261	807481832.7	39513.49079	39513490.79		807481832.7			
Los Angeles (SC)	2024	LHDT1	Aggregate	Aggregate	Electricity	510.884395	12631957.9	0	0		12631957.9			
Los Angeles (SC)	2024	LHDT2	Aggregate	Aggregate	Gasoline	18962.98073	232166450.8	19688.75283	19688752.83	40437057.09	232166450.8	592771960.4	14.66	LHDT2
Los Angeles (SC)	2024	LHDT2	Aggregate	Aggregate	Diesel	25083.1257	357507706.6	20748.30426	20748304.26		357507706.6			
Los Angeles (SC)	2024	LHDT2	Aggregate	Aggregate	Electricity	132.2328573	3097803.006	0	0		3097803.006			
Los Angeles (SC)	2024	MCY	Aggregate	Aggregate	Gasoline	146992.0035	336333478	8161.606518	8161606.518	8161606.518	336333478	336333478	41.21	MCY
Los Angeles (SC)	2024	MDV	Aggregate	Aggregate	Gasoline	941104.6897	12456433650	644582.7605	644582760.5	653018233.8	12456433650	12873259326	19.71	MDV
Los Angeles (SC)	2024	MDV	Aggregate	Aggregate	Diesel	10836.3418	147040138.4	6248.005389	6248005.389		147040138.4			
Los Angeles (SC)	2024	MDV	Aggregate	Aggregate	Electricity	11444.7591	145777285.5	0	0		145777285.5			
Los Angeles (SC)	2024	MDV	Aggregate	Aggregate	Plug-in Hybrid	7947.75957	124008252.3	2187.467836	2187467.836		124008252.3			
Los Angeles (SC)	2024	MH	Aggregate	Aggregate	Gasoline	15037.72111	48791566.33	10085.46494	10085464.94	11939260.31	48791566.33	67257706.58	5.63	MH
Los Angeles (SC)	2024	MH	Aggregate	Aggregate	Diesel	5352.033135	18466140.26	1853.795376	1853795.376		18466140.26			
Los Angeles (SC)	2024	MHDT	Aggregate	Aggregate	Gasoline	14716.96009	261707736.2	50778.48585	50778485.85	140292103.4	261707736.2	1060540452	7.56	MHDT
Los Angeles (SC)	2024	MHDT	Aggregate	Aggregate	Diesel	59315.44342	782180220.5	87898.29735	87898297.35		782180220.5			
Los Angeles (SC)	2024	MHDT	Aggregate	Aggregate	Electricity	193.0645447	3530246.692	0	0		3530246.692			
Los Angeles (SC)	2024	MHDT	Aggregate	Aggregate	Natural Gas	877.2928396	13122248.31	1615.320213	1615320.213		13122248.31			
Los Angeles (SC)	2024	OBUS	Aggregate	Aggregate	Gasoline	3692.490323	47563015.76	9451.595837	9451595.837	17186605.74	47563015.76	102245912	5.95	OBUS
Los Angeles (SC)	2024	OBUS	Aggregate	Aggregate	Diesel	2097.35841	48714195.14	7064.555403	7064555.403		48714195.14			
Los Angeles (SC)	2024	OBUS	Aggregate	Aggregate	Electricity	7.843994974	192893.1518	0	0		192893.1518			
Los Angeles (SC)	2024	OBUS	Aggregate	Aggregate	Natural Gas	328.2793362	5775807.967	670.4544983	670454.4983		5775807.967			
Los Angeles (SC)	2024	SBUS	Aggregate	Aggregate	Gasoline	1372.011029	19845441.55	2216.900708	2216900.708	6551315.038	19845441.55	42590830.09	6.50	SBUS
Los Angeles (SC)	2024	SBUS	Aggregate	Aggregate	Diesel	1597.022329	10477404.12	1432.305167	1432305.167		10477404.12			
Los Angeles (SC)	2024	SBUS	Aggregate	Aggregate	Electricity	11.68207238	117789.9896	0	0		117789.9896			
Los Angeles (SC)	2024	SBUS	Aggregate	Aggregate	Natural Gas	1503.388379	12150194.43	2902.109164	2902109.164		12150194.43			
Los Angeles (SC)	2024	UBUS	Aggregate	Aggregate	Gasoline	437.5652487	10131910.28	2208.412104	2208412.104	46300725.78	10131910.28	148254235.7	3.20	UBUS
Los Angeles (SC)	2024	UBUS	Aggregate	Aggregate	Diesel	9.459880331	406046.4132	69.7840369	69784.0369		406046.4132			
Los Angeles (SC)	2024	UBUS	Aggregate	Aggregate	Electricity	97.83776932	2667400.212	0	0		2667400.212			
Los Angeles (SC)	2024	UBUS	Aggregate	Aggregate	Natural Gas	3846.599176	135048878.8	44022.52964	44022529.64		135048878.8			

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