



**Evergreen Commercial Development Project
Initial Study/Mitigated Negative Declaration**

Appendix D

Evergreen Development Energy Assessment

JK Consulting Group

December 21, 2021



SALEM
engineering group, inc.

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March 10, 2022

Job No. 3-417-0790

Mr. Jon Prystasz
Evergreen Devco, Inc.
2390 East Camelback Road, Suite 410
Phoenix, AZ 85016

Subject: ENERGY ASSESSMENT
Proposed Commercial Development
East Corner of Central Avenue and Cambern Avenue
Lake Elsinore, California

Dear Mr. Prystasz:

At your request and authorization, an Energy Assessment for the above-referenced project was conducted. The purpose of this study is to analyze the project's anticipated energy use (including fuel consumption). The project involves development to include a 43,050-square foot grocery store, a 4,116-square foot car wash, a 4,088-square foot convenient store with gasoline station, and two drive-thru quick-serve restaurants (approximately 3,000 square feet each). The remainder of the subject property would be paved including drive aisles, landscaped areas, walkways, and utilized as parking lots.

It is our understanding the project will be constructed in two phases. The first phase of development will include the afore-mentioned 4,116 square foot car wash; one 3,000 square-foot quick-service restaurant with drive-thru; and the 4,088 square-foot convenience market and gas station with eight (8) fuel pumps totaling sixteen (16) fuel dispensers. The second phase of development will include one 3,000 square-foot quick-service restaurant with drive-thru, and the 43,050 square-foot supermarket. Please refer to Phase I site plan and pad phasing plan following report for more details.

As detailed in the following report, the proposed project is consistent with the applicable plans related to renewable energy and energy efficiency, which facilitates the decrease in overall per capita energy consumption and reliance on fossil fuels such as coal, natural gas and oil, and increases reliance on renewable energy sources. As such, the project would not conflict with or obstruct the state or local plan for renewable energy or energy efficiency. Please refer to the following report for more details.

We appreciate the opportunity to assist you with this project. If you have any questions, or if we may be of further assistance, please do not hesitate to contact our office at (909) 980-6455.

Respectfully submitted,

SALEM Engineering Group, Inc.

A handwritten signature in dark ink, appearing to read 'Maria G. Ruvalcaba', is written over a light blue horizontal line.

Maria G. Ruvalcaba, EP
Project Manager

December 21, 2021

Maria G. Ruvalcaba
Business Development/Client Services
SALEM Engineering Group, Inc.
4729 W. Jacquelyn Avenue
Fresno, CA 93722

RE: Evergreen Development Energy Assessment

Dear Maria Ruvalcaba:

JK Consulting Group prepared the following Energy Assessment for the proposed Evergreen Development (Project) located in Lake Elsinore, Riverside County, California. The Project consists of five contiguous rectangular-shaped parcels of undeveloped land (Riverside County Assessor's Parcel Numbers [APNs] 377-020-014, 377-020-016, 377-020-017, 377-020-018, and 377-020-019) totaling approximately 8.867 acres gross land area located at the intersection of Central and Cambern Avenues. The Project Location and Site Plan are depicted in Figures 1 and 2 along with the various components of the Project as described below:

- 43,050 sq. ft. Grocery Store
- 4,116 sq. ft. Car Wash
- 4,088 sq. ft. Convenience Store / Gasoline Service Station
- 3,000 sq. ft. Quick Serve Restaurant w/ Drive-Through Window
- 3,000 sq. ft. Quick Serve Restaurant w/ Drive-Through Window

INTRODUCTION

A Mitigated Negative Declaration (MND) must include a detailed statement setting forth mitigation measures proposed to minimize a project's significant environmental effects, including, but not limited to, measures to reduce wasteful, inefficient, or unnecessary energy consumption, as required by Section 21100(b) of the California Environmental Quality Act (CEQA) Guidelines (State CEQA Guidelines). According to Appendix F of the State CEQA Guidelines, prospective energy implications of a project shall be considered in an MND, to the extent appropriate and applicable to the project, to guarantee that energy implications are considered in project choices. Appendix F further states that a project's energy consumption and proposed conservation measures may be addressed, as relevant and applicable, in the Project Description, Environmental Setting and Impact Analysis portions of technical sections, as well as through mitigation measures and alternatives.

This Energy Assessment includes relevant information and analyses that address the energy implications of the Project. The Project's anticipated energy use (including fuel consumption) and energy conserving components are evaluated in this section to determine whether the project would result in unnecessary or wasteful energy consumption. The discussion of the project's anticipated energy use includes fuel consumption.

FIGURE 1
Project Location

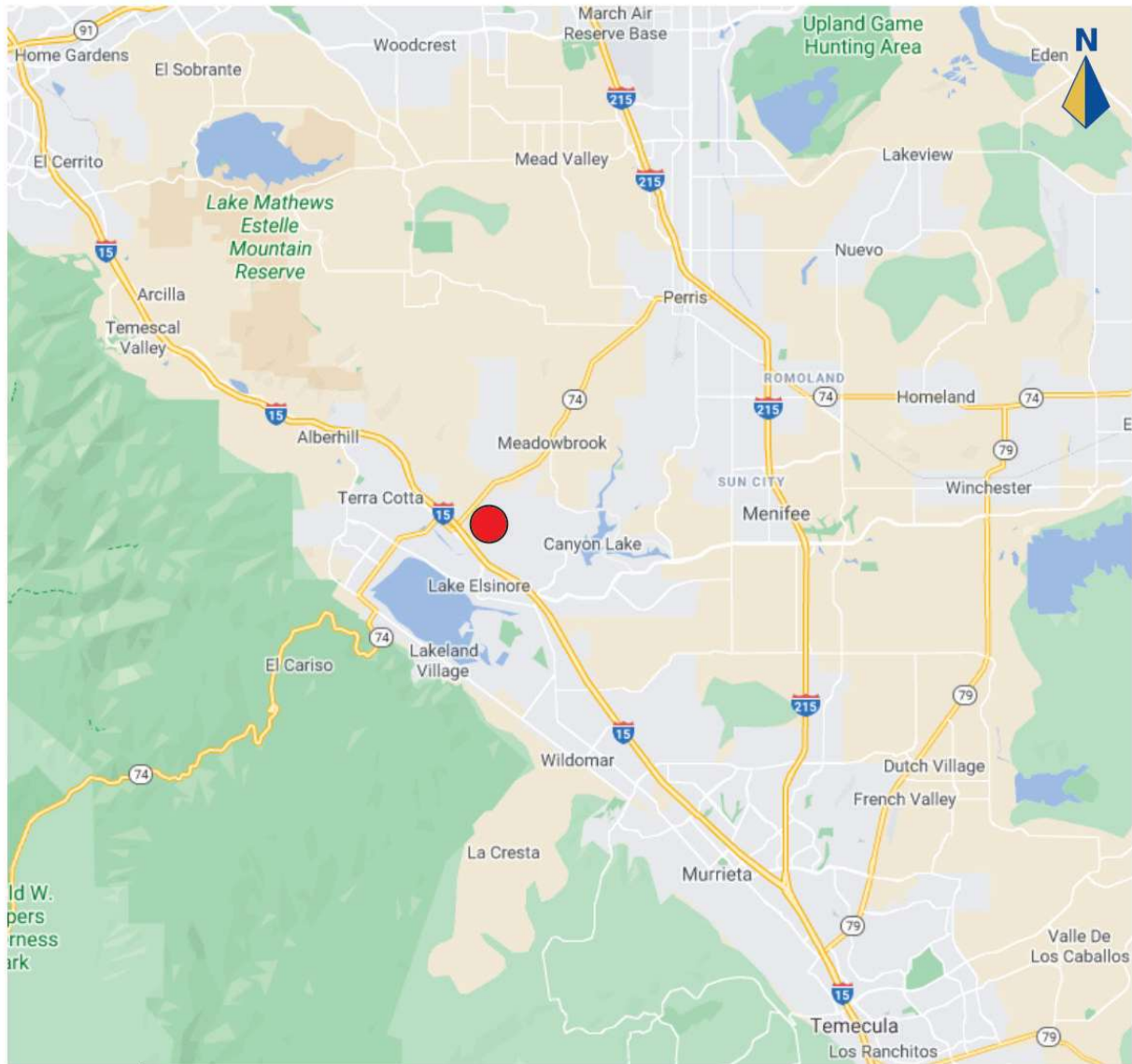
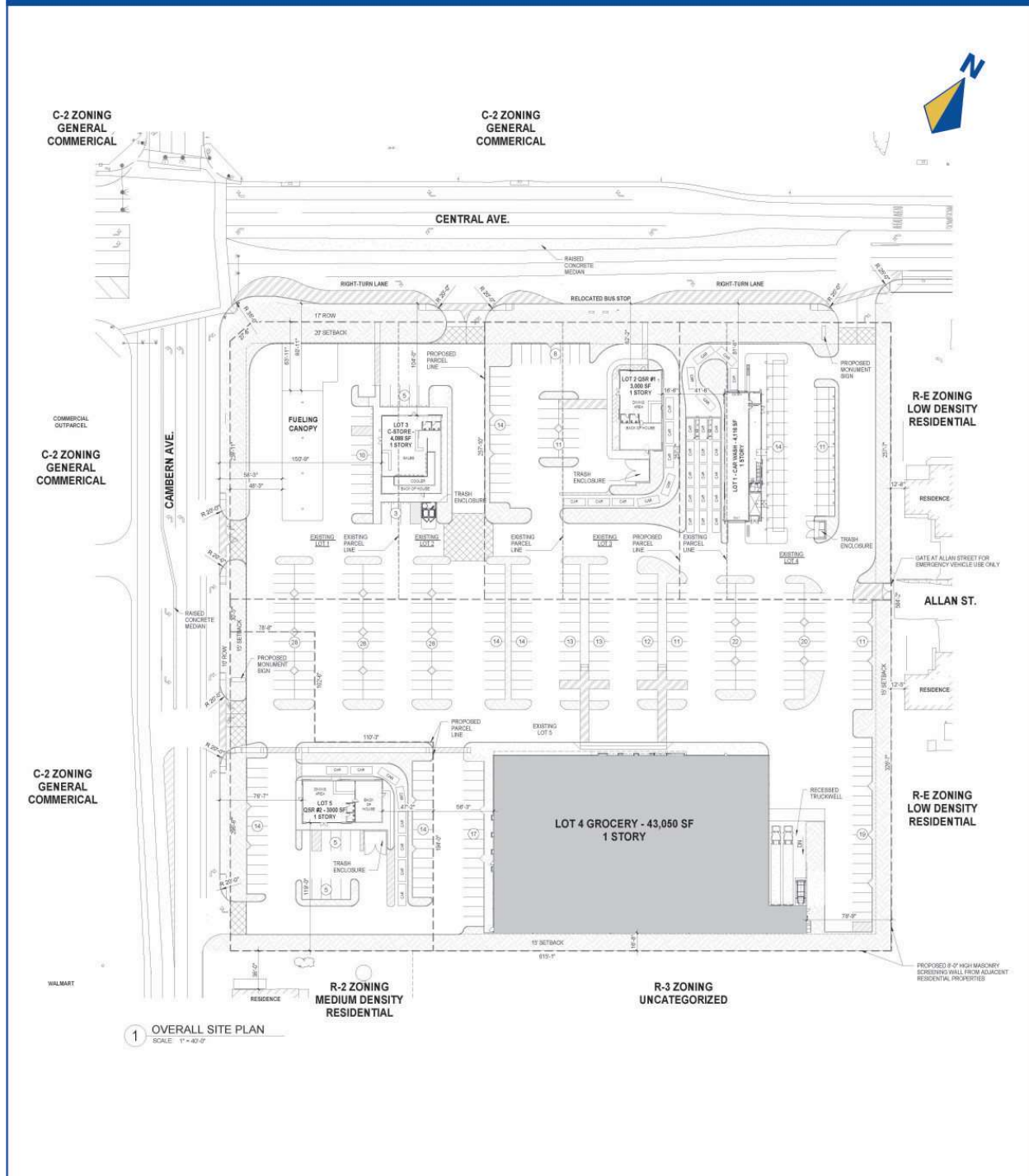


Image Source: Google Maps

 **Project Location**

FIGURE 2
Project Site Plan



REGULATORY SETTING

Federal

Federal agencies with significant influence on energy policy and initiatives include the US Department of Energy, the US Environmental Protection Agency, and the US Department of Transportation. These agencies regulate transportation energy use through establishing and enforcing fuel efficiency standards for automobiles and light trucks, sponsoring energy-related research and development programs, and subsidizing transportation infrastructure improvements.

Federal Energy Regulatory Commission

The Federal Energy Regulatory Commission (FERC) is an independent agency that regulates the transmission and sales of electricity, natural gas, and oil in interstate commerce, licensing of hydroelectric projects, and oversight of related environmental matters. The setting and enforcing of interstate transmission sales is also regulated by FERC.

Federal Energy Policy and Conservation Act and Amendments

The Federal Energy Policy and Conservation Act of 1975 established minimum energy efficiency criteria for several key appliances, which have since been revised by subsequent energy policies, including the Federal Energy Policy Act of 2005. The National Energy Act of 1978 was enacted with the purpose of encouraging increased use of renewable energy, providing residential customers with energy saving audits to encourage slower growth in power use, and promoting fuel efficiency.

Energy Independence and Security Act of 2007

The Energy Independence and Security Act of 2007 includes provisions related to energy efficiency, appliance and lighting efficiency standards and building energy efficiency standards in addition to increasing auto mileage standards.

State

The California Energy Commission (CEC) and the California Public Utilities Commission (CPUC) are two state entities that have jurisdiction over various sectors of energy. The CEC gathers and analyzes energy-related data, develops statewide energy policy recommendations and plans, promotes and funds energy efficiency initiatives, and establishes and enforces appliance and building energy efficiency standards. The CPUC is in charge of regulating utilities in the energy, rail, telecommunications, and water sectors.

Senate Bill 1389

Senate Bill 1389 (SB) 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.

The 2015 Integrated Energy Policy Report provides the results of the CEC's assessments of a variety of energy issues facing California including energy efficiency, strategies related to data for improved decisions in the Existing Buildings Energy Efficiency Action Plan, building energy efficiency standards, the impact of drought on California's energy system, achieving 50 percent renewables by 2030, the California Energy Demand Forecast, the Natural Gas Outlook, the Transportation Energy Demand Forecast, Alternative and Renewable Fuel and Vehicle Technology Program benefits updates, update on electricity infrastructure in Southern California, an update on trends in California's sources of crude oil, an update on California's nuclear plants, and other energy issues.

Assembly Bill 1493

Assembly Bill (AB) 1493, enacted in 2002, required that the California Air Resources Board (CARB) develop and adopt regulations to achieve the maximum feasible and cost-effective reduction of GHG emissions from motor vehicles.

California Code of Regulations

Title 20, Public Utilities and Energy, and Title 24, Building Standards Code, of the California Code of Regulations must be followed during new building construction in California. These energy efficiency standards govern energy use for heating, cooling, ventilation, water heating, and lighting in new residential and nonresidential buildings. The local building permit process enforces the building efficiency criteria. Local government agencies may create and enforce energy standards for new buildings as long as they meet or surpass the guidelines set forth in Title 24.

Regional

South Coast Air Quality Management District Air Quality-Related Energy Policy

Adopted on September 9, 2011, the South Coast Air Quality Management District (AQMD) Air Quality-Related Energy Policy integrates air quality, energy, and climate change issues in a coordinated and consolidated manner. The policy includes ten (10) air quality-related energy policies designed to manage South Coast AQMD efforts and ten (10) actions intended to support those policies. Those policies include:

- Promote zero and near-zero emission technologies through ultra clean energy strategies, to meet air quality, energy security, and climate change objectives
- Promote zero and near-zero emission technologies in both stationary and mobile applications to the extent feasible
- Promote diversification of electricity generation technologies to provide reliable, feasible, affordable, sustainable, and zero or near-zero emission electricity supply for the Basin in partnership with local power producers
- Promote demand side management programs to manage energy demand growth. Such programs include, but are not limited to, energy conservation, energy efficiency and load-shifting measures

- Promote in-Basin distributed electricity generation, with emphasis on distributed renewable electricity generation, to reduce reliance on energy imports or central power plants, and to minimize the air quality, climate and cross-media environmental impacts of traditional power generation
- Promote electricity storage technology to improve the supply reliability, availability, and increased generation technology choices
- Require any new/repowered in-Basin fossil-fueled generation power plant to incorporate Best Available Control Technology (BACT) as required by District rules, considering energy efficiency for the application. These power plants shall also comply with any requirements adopted by CARB, CEC, CPUC, California Independent System Operator (ISO), or the governing board of a publicly owned electric utility, as well as state law under CEQA
- Advocate, within the existing CEQA review process, maximum cost-effective mitigation in the communities affected by emission increases resulting from the siting of new or repowered power plants
- Educate and incentivize the public and businesses to shift toward the lowest emission technologies, considering emissions of criteria pollutants, toxic air contaminants, greenhouse gases, energy efficiency, and the potential to create local jobs
- Incorporate energy efficiency and conservation as an emissions reductions strategy for stationary and mobile sources through AQMD's planning, rule making, advocacy, and CEQA commenting activities

City of Lake Elsinore Climate Action Plan

Adopted by Lake Elsinore City Council on December 13, 2011, the City of Lake Elsinore Climate Action Plan (CAP) was developed to reduce community-wide greenhouse gas (GHG) emissions from activities within the city limits. The CAP energy-related reduction measures designed to reduce energy related emissions include increasing energy efficiency of new construction, existing buildings, and municipal buildings and facilities and increasing the use of renewable energy.

EXISTING CONDITIONS

Energy is vital to the economy and the quality of life of the State of California and the Riverside County region. In 2019, California's per-capita energy consumption rate was one of the lowest in the country and ranked 50th compared to other states (U.S. EIA 2021). This is largely because of California's proactive energy efficiency programs and mild weather, which reduce energy demands for heating and cooling.

The primary energy source for the U.S. is petroleum (also referred to as "oil"), which is refined to produce fuels like gasoline, diesel, and jet fuel. Oil is a finite, nonrenewable energy source. In 2019, the U.S. consumed approximately 7,498,143,000 barrels of petroleum with California accounting for 661,893,000 barrels, which accounts for roughly 9% of U.S. consumption (U.S. EIA 2021).

World consumption of petroleum products has grown steadily since 1983, with world consumption of oil reaching 91 million barrels per day by 2020 (IEA Oil Market Report). The world supply of oil is anticipated to peak (i.e., reach the point of maximum production) sometime between now and 2042, before

beginning a terminal decline that will put a significant strain on the economy if not anticipated and mitigated. However, the timing of the peak depends on multiple, uncertain factors that will affect how quickly remaining oil is consumed, such as the amount of oil that still remains in the ground; how much of the amount in the ground can be extracted and produced based on technological, economic, and environmental feasibility; and future demand for oil.

The transportation sector makes up the single largest consumer of energy in California, accounting for 39 percent of the state's total energy demand, and nearly all of this energy is provided by petroleum (U.S. EIA 2021). In 2020, total gasoline consumed in California was 31.64 million gallons/day, second to the state of Texas at 35.82 million gallons/day (U.S. EIA 2021). Diesel fuel is the second largest transportation fuel in California behind gasoline. In 2019, more than 2.9 billion gallons of diesel were sold in California (CA Dept. of Tax and Fee Administration).

The industrial sector accounts for approximately 23 percent of the total energy consumption in California. The residential and commercial sectors both account for approximately 19 percent of the energy consumption in the state. In 2019, electric energy consumption for all land uses in California totaled 279,510 gigawatt-hours (California Energy Commission 2021).

Similar to California and the U.S. as a whole, the Riverside County region relies primarily on oil to meet its transportation needs. Motor vehicles are the largest consumer of fuels in the region's transportation sector. After gasoline, diesel fuel is the most utilized transportation energy source. The primary consumers of diesel fuel in the transportation sector are heavy-duty trucks, with medium-duty trucks, buses, light-duty passenger cars, and railway locomotives accounting for remaining diesel fuel consumption.

Alternative fuels are defined as fuels not derived from petroleum, such as natural gas, ethanol, and electricity. However, like petroleum, alternative fuels like natural gas and ethanol (which is primarily composed of diesel fuel) are also nonrenewable, finite resources. Electricity is also considered nonrenewable when generated from natural gas or coal, but considered renewable when generated from sources like solar, hydroelectric, or wind energy. Most alternative fuel facilities in the region supply compressed natural gas (CNG) or electricity. The region's limited alternative fuel infrastructure severely constrains the use of alternative fuel passenger vehicles.

Although average fuel efficiency for autos and trucks has experienced some improvements during the last quarter-century, fuel consumption associated with the large increase in VMT has exceeded the fuel consumption reductions achieved by improved efficiency, and the total amount of annual fuel consumption has continued to increase. The equipment and vehicles involved in the construction of development projects also consume energy. Currently, construction equipment and vehicles are generally dependent on petroleum-based fuels.

Vehicle fuel consumption for Riverside County is provided in Table 1 below which is derived from the California Air Resources Board EMFAC 2021. Table 1 shows that approximately 991 million gallons of fuel were consumed in the County in 2019. This equates to approximately 2.72 million gallons of fuel per day

or 1.10 gallons of fuel per person per day, based on a 2019 countywide population of 2,470,546 people (U.S. Census 2019).

Table 1
Riverside County Vehicle Fuel Consumption

FUEL	2019 Annual Fuel Consumption (Thousands of Gallons)	2019 Daily Fuel Consumption (Thousands of Gallons)	2019 Annual Energy Consumption (kWh)	2019 Daily Energy Consumption (kWh)
Gasoline	743,267.31	2,036.35	0.00	0.00
Diesel	236,761.52	648.66	0.00	0.00
Natural Gas	7,956.39	21.80	0.00	0.00
Plug-in Hybrid	3,218.42	8.82	0.00	0.00
Electricity	0.00	0.00	29,701,959.41	81,375.23
TOTAL	991,203.64	2,715.63	29,701,959.41	81,375.23

Source: EMFAC2021 (v1.0.1) Emissions Inventory

ANALYSIS OF PROJECT IMPACTS AND DETERMINATION OF SIGNIFICANCE

In accordance with CEQA, the effects of a project are evaluated to determine if they will result in significant adverse impacts on the environment. According to Appendix F of the State CEQA Guidelines, prospective energy implications of a project shall be considered in an MND, to the extent appropriate and applicable to the project, in order to guarantee that energy implications are considered in project choices. Appendix F does not provide specific thresholds for energy use but instead highlights the wise and efficient use of energy through the following actions which provide the means of achieving the goal of energy conservation.

- 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

In compliance with Appendix G and Appendix F of the CEQA Guidelines, energy impacts resulting from the Project are considered significant if the Project would:

- a) result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation?
- b) conflict with or obstruct a state or local plan for renewable energy or energy efficiency?

Would the Project result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation?

Short-Term (Construction)

Short-term impacts are mainly related to the construction phase of a project and are recognized to be short in duration. Energy impacts from construction are generally attributable to the manufacture and transportation of building materials, preparation of the site for grading activities, utility installation, paving, and building construction and architectural coating. It should be noted that the Project is subject to California Code of Regulations (CCR), Title 24 building standards. The Title 24 California Building Standards Code is a wide-ranging set of requirements for energy conservation and green design that apply to the structural, mechanical, electrical, and plumbing systems in a building.

The operation of off-road equipment, trucks, and worker traffic would be the primary source of energy consumption during the construction of the Project. Energy consumption generated during the construction phase was estimated using CalEEMod defaults for construction equipment since the specific mix of construction equipment is not presently known. It should be noted that energy usage from construction of the Project would be temporary in nature and would cease upon completion of the Project. Table 2 provides a list of the construction equipment used in development of the Project site per CalEEMod defaults. Table 3 shows the anticipated worker and vendor trips associated with development of the Project.

The estimated consumption of diesel fuel, considering the construction schedule and hours of use determined by CalEEMod, is 16,642 gallons of diesel for the development/construction of the Project as shown in Table 4.

Vehicle Miles Traveled (VMT) estimates during the construction of the Project were also determined by data points in the CalEEMod program. Worker, vendor, and haul trips would result in 75,424 VMT for the duration of construction activities. As noted in Table 4, construction trips would account for approximately 4,925 gallons of motor vehicle fuel.

Long-Term (Operations)

As noted previously, the Project includes the development of several commercial/retail pads in the City of Lake Elsinore. The Project's operation will include typical equipment consistent with commercial/retail development such as trash compactors and HVAC units. Table 5 provides an estimate of energy use for the proposed Project. Estimated electricity, natural gas, and motor vehicle gasoline consumption were derived from estimates included in the CalEEMod program. As shown below, the Project would consume approximately 1,933,643 kWh of electricity, 2,601,705 kBtu of natural gas, and 660,835 gallons of gasoline per year. As shown in Table 5, Project electricity, natural gas, and vehicle gasoline consumption equates to roughly 0.0007%, 0.0001%, and 0.0037%, respectively, of statewide consumption.

Table 2
Project Construction Equipment

PHASE NAME	OFFROAD EQUIPMENT TYPE	AMOUNT	DAYS	USAGE HOURS	HORSE POWER	LOAD FACTOR
Demolition	Concrete/Industrial Saws	1	20.00	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	20.00	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	20.00	8.00	97	0.37
Site Preparation	Graders	1	2.00	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	2.00	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	2.00	8.00	97	0.37
Grading	Graders	1	4.00	8.00	187	0.41
Grading	Rubber Tired Dozers	1	4.00	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	4.00	7.00	97	0.37
Building Construction	Cranes	1	200.00	6.00	231	0.29
Building Construction	Forklifts	1	200.00	6.00	89	0.20
Building Construction	Generator Sets	1	200.00	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	200.00	6.00	97	0.37
Building Construction	Welders	3	200.00	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	10.00	6.00	9	0.56
Paving	Pavers	1	10.00	6.00	130	0.42
Paving	Paving Equipment	1	10.00	8.00	132	0.36
Paving	Rollers	1	10.00	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	10.00	8.00	97	0.37
Architectural Coating	Air Compressors	1	10.00	6.00	78	0.48

Source: CalEEMod 2020.4.0

Table 3
Project Construction Trips

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	5	13	0.00	0	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8	0.00	0	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10	0.00	0	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	19	9.00	0	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13	0.00	0	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4	0.00	0	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Source: CalEEMod 2020.4.0

Table 4
Project Construction Energy Consumption

ACTIVITY	VARIABLE	CONSUMPTION RATE	TOTAL CONSUMPTION
Construction Equipment - Diesel	Equipment Use - hp-hr	0.05 gallons / hp-hr	16,642 gallons (diesel)
	Hours of Use	145 hours	
Construction Worker	VMT	VMT = 63,004 mpg = 19.36	3,255 gallons (gasoline)
Construction Vendor	VMT	VMT = 12,420 mpg = 7.44	1,670 gallons (diesel)

Source: CalEEMod 2020.4.0 / EMFAC2021

Notes:

hp-hr = horsepower hour

VMT = Vehicle Miles Traveled

mpg = miles per gallon

Table 5
Project Operational Energy Consumption

LAND USE	ELECTRICITY USE (kWh/year)	NATURAL GAS (kBtu/year)	VEHICLE GASOLINE (gallons/year)
4,116 sq. ft. Car Wash	40,870	133,200	53,675
4,088 sq. ft. Convenience Store / Gasoline Service Station	49,653	8,998	78,709
3,000 sq. ft. Quick Serve Restaurant w/ Drive-Through Window	138,480	817,980	80,221
3,000 sq. ft. Quick Serve Restaurant w/ Drive-Through Window	138,480	817,980	23,264
43,050 sq. ft. Grocery Store	1,566,160	823,547	368,010
PROJECT TOTAL	1,933,643	2,601,705	660,835
STATE CONSUMPTION (2019)¹	279,510,000,000	2,217,200,000,000	18,086,109,398
PROJECT PERCENTAGE OF STATEWIDE CONSUMPTION	0.0007%	0.0001%	0.0037%

Source: CalEEMod 2020.4.0 / EMFAC2021

Notes:

kWh = Kilowatt hours

Btu = British thermal units

1 - State Electricity Use (CEC) / State Natural Gas Use (US EIA) / State Gasoline Use (EMFAC2021)

As noted above, the Project is subject to CCR, Title 24 building standards. Compliance with Title 24 of the CCR would improve energy efficiency and consumption. As a result, construction of the Project will not result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation.

Operation of the Project would include the use of electricity and natural Gas for heating and cooling, lighting, appliances, and water heating. As discussed above, the Title 24 California Building Standards Code is a wide-ranging set of requirements for energy conservation and green design that apply to the structural, mechanical, electrical, and plumbing systems in a building. As a result, the electricity and natural gas use will not result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation.

The Energy Policy and Conservation Act of 1975 sought to ensure that all vehicles sold in the U.S. would meet certain fuel economy goals. Through this Act, Congress established the first fuel economy standards for on-road motor vehicles in the U.S. Pursuant to the Act, the National Highway Traffic and Safety Administration, which is part of the USDOT, is responsible for establishing additional vehicle standards and for revising existing standards. Since 1990, the fuel economy standard for new passenger cars has been 27.5 mpg. Since 1996, the fuel economy standard for new light trucks (gross vehicle weight of 8,500 pounds or less) has been 20.7 mpg. The Energy Independence and Security Act of 2007 seeks to achieve energy security in the United States by increasing renewable fuel production, improving energy efficiency and performance, protecting consumers, improving vehicle fuel economy, and promoting research on greenhouse gas capture and storage. The average fuel economy for light-duty vehicles (autos, pickups, vans, and SUVs) in the United States has gradually increased from about 14.9 mpg in 1980 to 22.3 mpg in 2017 based on data provided by the U.S. Department of Transportation, National Highway Traffic Safety Administration, Fleet Fuel Economy Performance Report, available at https://one.nhtsa.gov/cafe_pic/CAFE_PIC_fleet_LIVE.html.

The Project will result in an annual VMT increase of 12,793,766 considering CalEEMod calculations, which results in 660,835 gallons of gasoline per year as noted in Table 5 (assuming 19.36 mpg). However, new vehicles accessing the Project site would be in compliance with the federal fuel economy standards described above. As a result, fuel efficiency from vehicles accessing the site would increase over the life of the Project. Therefore, energy impacts related to fuel consumption during Project operations would be less than significant.

Based on the assessment above, the Project will not result in potentially significant environmental impacts due to wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation. No increases in inefficiencies or unnecessary energy consumption are expected to occur as a direct or indirect consequence of the Project. Therefore, any impacts would be less than significant.

Would the Project conflict with or obstruct a state or local plan for renewable energy or energy efficiency?

As discussed above, the Project is subject to CCR, Title 24 building standards. Compliance with Title 24 of the CCR would improve energy efficiency and consumption. In addition, the Project will acquire electricity through the local utility (Southern California Edison) which is subject to the guidelines provided in California Senate Bill 100 (SB 100). SB 100 expedited and expanded the Renewable Portfolio Standard (RPS) program (SB 1078), which obliged utilities to grow renewable generation by at least one percent of sales every year, with a 20 percent target by 2017. SB 100 mandates that a 50% RPS be achieved by December 31, 2026, and a 60% RPS by December 31, 2030. SB 100 also established a new statewide policy target of supplying 100 percent of electricity retail sales and 100 percent of power procured to serve all state agencies by December 31, 2045, using qualifying renewable energy and zero-carbon resources.

As required by California law, city and county General Plans contain a Land Use Element that details the types and quantities of land uses that the city or county estimates will be needed for future growth, and that designate locations for land uses to regulate growth. The Southern California Association of Governments (SCAG) uses the growth projections and land use information in adopted general plans to estimate future average daily trips and then VMT, which are then provided to the South Coast AQMD to estimate future emissions in the Air Quality Plan (AQPs). Existing and future pollutant emissions and energy consumption computed in the AQP are based on land uses from area general plans. AQPs detail the control measures and emission reductions required for reaching attainment of the air standards.

The applicable General Plan for the project is the City of Lake Elsinore General Plan, which was adopted in December 2011. The Project is consistent with the General Plan Land Use designated for the Project site. Therefore, the Project would be consistent with the population growth and VMT applied in the plan and the growth assumptions used in the applicable AQPs. The Project is also consistent with the City of Lake Elsinore CAP which includes energy-related reduction measures designed to reduce energy-related emissions. The Project does not conflict with or obstruct City of Lake Elsinore General Plan Policy 14.1 or CAP Measures T-1.2 Pedestrian Infrastructure and T-1.3 Street and Sidewalk Maintenance and Improvements.

CARB's 2017 Climate Change Scoping Plan builds on the efforts and plans encompassed in the initial Scoping Plan. The current plan has identified new policies and actions to accomplish the State's 2030 GHG limit. Below is a list of applicable strategies in the Scoping Plan and the Project's consistency with those strategies.

- California Light-Duty Vehicle GHG Standards – Implement adopted standards and planned second phase of the program. Align zero-emission vehicle, alternative and renewable fuel and vehicle technology programs for long-term climate change goals.
 - The Project is consistent with this reduction measure. This measure cannot be implemented by a particular project or lead agency since it is a statewide measure. When this measure is

implemented, standards would be applicable to light-duty vehicles that would access the commercial/retail development. The Project would not conflict or obstruct this reduction measure.

- Energy Efficiency – Pursuit of comparable investment in energy efficiency from all retail providers of electricity in California. Maximize energy efficiency building and appliance standards.
 - The Project is consistent with this reduction measure. Though this measure applies to the State to increase its energy standards, the Project would comply with this measure through existing regulation. The Project would not conflict or obstruct this reduction measure.
- Low Carbon Fuel – Development and adoption of the low carbon fuel standard.
 - The Project is consistent with this reduction measure. This measure cannot be implemented by a particular project or lead agency since it is a statewide measure. When this measure is implemented, standards would be applicable to the fuel used by vehicles that would access the commercial/retail development. The Project would not conflict or obstruct this reduction measure.

The Project would be consistent with applicable plans related to renewable energy and energy efficiency as noted above which facilitates the decrease in overall per capita energy consumption and reliance on fossil fuels such as coal, natural gas and oil, and increases reliance on renewable energy sources. As a result, the Project will not conflict with or obstruct a state or local plan for renewable energy or energy efficiency.

Should you have any further questions or comments, please contact me by phone at (559) 246-4204 or by email at jellard@jkconsultinggroupllc.com.

Sincerely,



Jason Ellard
Principal
JK Consulting Group

Attachment

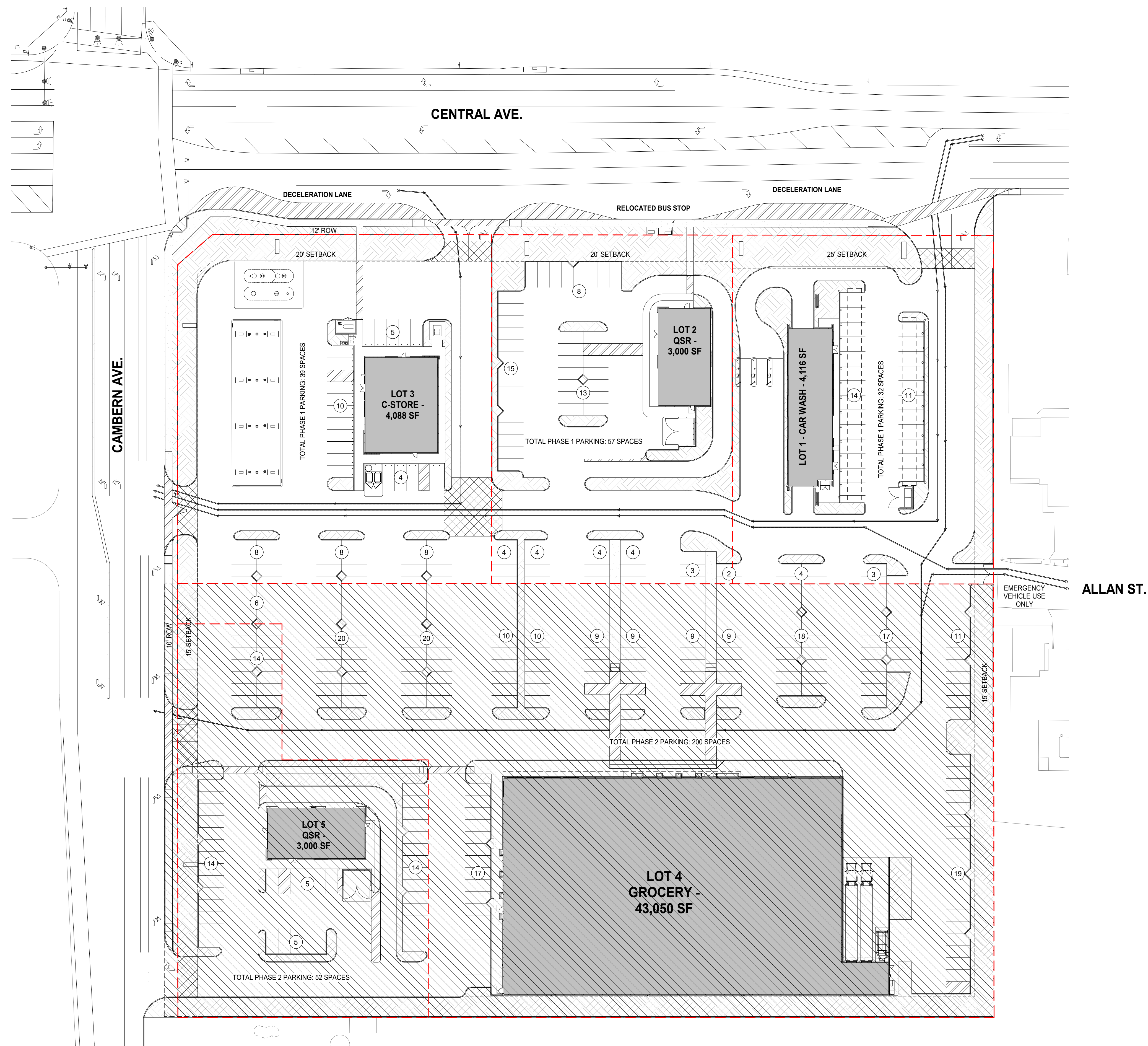
**C-2 ZONING
GENERAL
COMMERICAL**

**C-2 ZONING
GENERAL
COMMERICAL**

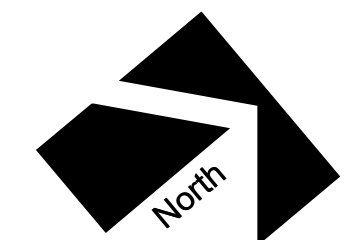
1 PHASE 1 SITE PLAN
SCALE: 1" = 40'-0"

DATE:	02/09/22
DRAWN BY:	CSC
CHECKED BY:	
SCALE:	
PROJECT NUMBER:	62302049
SHEET:	
SD1.2	
REV:	

LOT 1 (C-2 GENERAL COMMERCIAL ZONING):	
ROW DEDICATION	±0.11 AC
NET LOT AREA	±1.19 AC
BUILDING	CAR WASH - 4.116 SF
PARKING REQUIRED	4,116 / 250 = 16 SPACES
PARKING PROVIDED	25 VACUUM (PARKING) SPACES
	12 STANDARD SPACES
PARKING RATIO	8.99/1000
FLOOR AREA RATIO	.0797
LOT 2 (C-2 GENERAL COMMERCIAL ZONING):	
ROW DEDICATION	±0.10 AC
NET LOT AREA	±1.10 AC
BUILDING	QSR - 3,000 SF
PARKING REQUIRED	(1,529 / 200) + (1,471 / 45) = 40 SPACES
PARKING PROVIDED	49 SPACES
PARKING RATIO	16.33/1000
FLOOR AREA RATIO	.0629
LOT 3 (C-2 GENERAL COMMERCIAL ZONING):	
ROW DEDICATION	±0.23 AC
NET LOT AREA	±1.42 AC
BUILDING	C-STORE - 4,088 SF
PARKING REQUIRED	4,088 / 250 = 16 SPACES
PARKING PROVIDED	37 SPACES
PARKING RATIO	9.05/1000
FLOOR AREA RATIO	.0659
OVERALL TOTALS:	
ZONING:	GENERAL COMMERCIAL (C-2)
GENERAL PLAN DESIGNATION:	GENERAL COMMERCIAL (GC)
ROW DEDICATION	±0.43 AC / 18,068 SF
NET LOT AREA (WITHIN R.O.W.)	±3.70 AC / 161,253 SF
GROSS LOT AREA	±4.14 AC / 180,149 SF
BUILDING	11,204 SF
PARKING REQUIRED	72 SPACES
PARKING PROVIDED	120 SPACES
FLOOR AREA RATIO (NET)	11,204 SF / 161,253 SF = 6.95%
LANDSCAPING (NET)	37,475 SF / 161,253 SF = 23.24%
PARKING & CIRCULATION (NET)	112,574 SF / 161,253 SF = 69.81%



1 PHASING PLAN
SCALE: 1" = 40'-0"



PHASING LEGEND

PHASE 1 SITE DEVELOPMENT

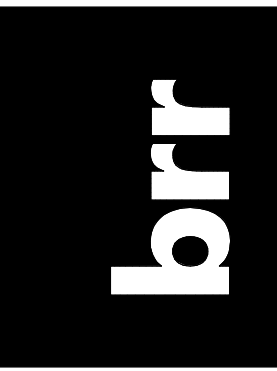
PROPOSED BUILDINGS

PHASE 2 SITE DEVELOPMENT

POTENTIAL EMERGENCY
VEHICLE & CONSTRUCTION
ROUTES THRU SITE

62302049

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ARCHITECT OF RECORD: MARIAH B. MEYER
8131 METCALF AVENUE, SUITE 300, OVERLAND PARK, KS 66204

REVISION:

[illegible]

CONSULTING ENGINEER

EVERGREEN DEVELOPMENT
CAMBERN AVE. & CENTRAL AVE
LAKE ELSINORE, CA 92532

PAD PHASING PLAN

DATE:	02/09/22
DRAWN BY:	CSC
CHECKED BY:	
SCALE:	
PROJECT NUMBER:	62302049

SD1.1

REV:

CALEEMOD WORKSHEETS



Evergreen Development - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Evergreen Development
South Coast Air Basin, Annual****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Fast Food Restaurant with Drive Thru	3.00	1000sqft	0.07	3,000.00	0
Fast Food Restaurant with Drive Thru	3.00	1000sqft	0.07	3,000.00	0
Automobile Care Center	4.12	1000sqft	0.09	4,120.00	0
Convenience Market with Gas Pumps	4.09	1000sqft	0.09	4,090.00	0
Supermarket	43.05	1000sqft	0.99	43,050.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2023
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 - Automobile Care Center used as surrogate for Car Wash - Trip Rates adjusted accordingly

Vehicle Trips - Automobile Care Center used as surrogate for Car Wash - Trip Rates adjusted accordingly per ITE Land Use Code 948. Land Use Code 948 does not include Daily Trip Rates. Daily Trip Rates were assumed to be ten times peak hour trips.

Water And Wastewater - Bank (with Drive-Through) used as surrogate for Car Wash.

Table Name	Column Name	Default Value	New Value
tblVehicleTrips	ST_TR	23.72	304.00
tblVehicleTrips	SU_TR	11.88	304.00

Evergreen Development - South Coast Air Basin, Annual

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

tblVehicleTrips	WD_TR	23.72	142.00
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2.0 Emissions Summary

Evergreen Development - South Coast Air Basin, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0429	0.3833	0.3023	5.5000e-004	0.0246	0.0193	0.0438	0.0110	0.0181	0.0291	0.0000	47.1153	47.1153	0.0101	3.1000e-004	47.4612
2022	0.4274	1.2242	1.2885	2.4200e-003	0.0251	0.0563	0.0813	6.7800e-003	0.0543	0.0610	0.0000	203.8357	203.8357	0.0317	2.6600e-003	205.4231
Maximum	0.4274	1.2242	1.2885	2.4200e-003	0.0251	0.0563	0.0813	0.0110	0.0543	0.0610	0.0000	203.8357	203.8357	0.0317	2.6600e-003	205.4231

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0429	0.3833	0.3023	5.5000e-004	0.0246	0.0193	0.0438	0.0110	0.0181	0.0291	0.0000	47.1152	47.1152	0.0101	3.1000e-004	47.4611
2022	0.4274	1.2242	1.2885	2.4200e-003	0.0251	0.0563	0.0813	6.7800e-003	0.0543	0.0610	0.0000	203.8354	203.8354	0.0317	2.6600e-003	205.4229
Maximum	0.4274	1.2242	1.2885	2.4200e-003	0.0251	0.0563	0.0813	0.0110	0.0543	0.0610	0.0000	203.8354	203.8354	0.0317	2.6600e-003	205.4229

Evergreen Development - South Coast Air Basin, Annual

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

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	11-2-2021	2-1-2022	0.5853	0.5853
2	2-2-2022	5-1-2022	0.4679	0.4679
3	5-2-2022	8-1-2022	0.4831	0.4831
4	8-2-2022	9-30-2022	0.3221	0.3221
		Highest	0.5853	0.5853

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	0.2335	1.0000e-005	7.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4200e-003	1.4200e-003	0.0000	0.0000	1.5100e-003
Energy	0.0140	0.1275	0.1071	7.7000e-004		9.6900e-003	9.6900e-003		9.6900e-003	9.6900e-003	0.0000	481.7596	481.7596	0.0316	6.0500e-003	484.3538
Mobile	3.9382	3.4289	28.5253	0.0483	4.8156	0.0395	4.8551	1.2851	0.0367	1.3217	0.0000	4,469.5597	4,469.5597	0.4412	0.2685	4,560.5963
Waste						0.0000	0.0000		0.0000	0.0000	69.0048	0.0000	69.0048	4.0781	0.0000	170.9563
Water						0.0000	0.0000		0.0000	0.0000	2.4804	19.4409	21.9213	0.2564	6.2100e-003	30.1834
Total	4.1857	3.5564	28.6331	0.0491	4.8156	0.0492	4.8648	1.2851	0.0464	1.3314	71.4852	4,970.7617	5,042.2468	4.8073	0.2807	5,246.0912

Evergreen Development - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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	0.2335	1.0000e-005	7.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4200e-003	1.4200e-003	0.0000	0.0000	1.5100e-003
Energy	0.0140	0.1275	0.1071	7.7000e-004		9.6900e-003	9.6900e-003		9.6900e-003	9.6900e-003	0.0000	481.7596	481.7596	0.0316	6.0500e-003	484.3538
Mobile	3.9382	3.4289	28.5253	0.0483	4.8156	0.0395	4.8551	1.2851	0.0367	1.3217	0.0000	4,469.5597	4,469.5597	0.4412	0.2685	4,560.5963
Waste						0.0000	0.0000		0.0000	0.0000	69.0048	0.0000	69.0048	4.0781	0.0000	170.9563
Water						0.0000	0.0000		0.0000	0.0000	2.4804	19.4409	21.9213	0.2564	6.2100e-003	30.1834
Total	4.1857	3.5564	28.6331	0.0491	4.8156	0.0492	4.8648	1.2851	0.0464	1.3314	71.4852	4,970.7617	5,042.2468	4.8073	0.2807	5,246.0912

	ROG	NOx	CO	SO2	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	11/2/2021	11/29/2021	5	20	
2	Site Preparation	Site Preparation	11/30/2021	12/1/2021	5	2	
3	Grading	Grading	12/2/2021	12/7/2021	5	4	

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

4	Building Construction	Building Construction	12/8/2021	9/13/2022	5	200
5	Paving	Paving	9/14/2022	9/27/2022	5	10
6	Architectural Coating	Architectural Coating	9/28/2022	10/11/2022	5	10

Acres of Grading (Site Preparation Phase): 1.88**Acres of Grading (Grading Phase): 4****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 85,890; Non-Residential Outdoor: 28,630; 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	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36

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

Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	19.00	9.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction**3.2 Demolition - 2021****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	0.0199	0.1970	0.1449	2.4000e-004		0.0104	0.0104		9.7100e-003	9.7100e-003	0.0000	21.0713	21.0713	5.3900e-003	0.0000	21.2060
Total	0.0199	0.1970	0.1449	2.4000e-004		0.0104	0.0104		9.7100e-003	9.7100e-003	0.0000	21.0713	21.0713	5.3900e-003	0.0000	21.2060

Evergreen Development - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.2 Demolition - 2021****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	4.7000e-004	4.0000e-004	5.0200e-003	1.0000e-005	1.4300e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1902	1.1902	4.0000e-005	3.0000e-005	1.2011
Total	4.7000e-004	4.0000e-004	5.0200e-003	1.0000e-005	1.4300e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1902	1.1902	4.0000e-005	3.0000e-005	1.2011

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	0.0199	0.1970	0.1449	2.4000e-004		0.0104	0.0104		9.7100e-003	9.7100e-003	0.0000	21.0713	21.0713	5.3900e-003	0.0000	21.2060
Total	0.0199	0.1970	0.1449	2.4000e-004		0.0104	0.0104		9.7100e-003	9.7100e-003	0.0000	21.0713	21.0713	5.3900e-003	0.0000	21.2060

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.2 Demolition - 2021****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	4.7000e-004	4.0000e-004	5.0200e-003	1.0000e-005	1.4300e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1902	1.1902	4.0000e-005	3.0000e-005	1.2011
Total	4.7000e-004	4.0000e-004	5.0200e-003	1.0000e-005	1.4300e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1902	1.1902	4.0000e-005	3.0000e-005	1.2011

3.3 Site Preparation - 2021**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					6.2700e-003	0.0000	6.2700e-003	3.0000e-003	0.0000	3.0000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5600e-003	0.0174	7.5600e-003	2.0000e-005		7.7000e-004	7.7000e-004		7.0000e-004	7.0000e-004	0.0000	1.5118	1.5118	4.9000e-004	0.0000	1.5241
Total	1.5600e-003	0.0174	7.5600e-003	2.0000e-005	6.2700e-003	7.7000e-004	7.0400e-003	3.0000e-003	7.0000e-004	3.7000e-003	0.0000	1.5118	1.5118	4.9000e-004	0.0000	1.5241

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.3 Site Preparation - 2021****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	3.0000e-005	2.0000e-005	3.1000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0732	0.0732	0.0000	0.0000	0.0739
Total	3.0000e-005	2.0000e-005	3.1000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0732	0.0732	0.0000	0.0000	0.0739

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					6.2700e-003	0.0000	6.2700e-003	3.0000e-003	0.0000	3.0000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5600e-003	0.0174	7.5600e-003	2.0000e-005		7.7000e-004	7.7000e-004		7.0000e-004	7.0000e-004	0.0000	1.5118	1.5118	4.9000e-004	0.0000	1.5241
Total	1.5600e-003	0.0174	7.5600e-003	2.0000e-005	6.2700e-003	7.7000e-004	7.0400e-003	3.0000e-003	7.0000e-004	3.7000e-003	0.0000	1.5118	1.5118	4.9000e-004	0.0000	1.5241

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.3 Site Preparation - 2021****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	3.0000e-005	2.0000e-005	3.1000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0732	0.0732	0.0000	0.0000	0.0739
Total	3.0000e-005	2.0000e-005	3.1000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0732	0.0732	0.0000	0.0000	0.0739

3.4 Grading - 2021**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					0.0142	0.0000	0.0142	6.8500e-003	0.0000	6.8500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.6500e-003	0.0404	0.0195	4.0000e-005		1.8300e-003	1.8300e-003		1.6800e-003	1.6800e-003	0.0000	3.6208	3.6208	1.1700e-003	0.0000	3.6501
Total	3.6500e-003	0.0404	0.0195	4.0000e-005	0.0142	1.8300e-003	0.0160	6.8500e-003	1.6800e-003	8.5300e-003	0.0000	3.6208	3.6208	1.1700e-003	0.0000	3.6501

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.4 Grading - 2021****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	7.0000e-005	6.0000e-005	7.7000e-004	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1831	0.1831	1.0000e-005	1.0000e-005	0.1848
Total	7.0000e-005	6.0000e-005	7.7000e-004	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1831	0.1831	1.0000e-005	1.0000e-005	0.1848

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					0.0142	0.0000	0.0142	6.8500e-003	0.0000	6.8500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.6500e-003	0.0404	0.0195	4.0000e-005		1.8300e-003	1.8300e-003		1.6800e-003	1.6800e-003	0.0000	3.6208	3.6208	1.1700e-003	0.0000	3.6501
Total	3.6500e-003	0.0404	0.0195	4.0000e-005	0.0142	1.8300e-003	0.0160	6.8500e-003	1.6800e-003	8.5300e-003	0.0000	3.6208	3.6208	1.1700e-003	0.0000	3.6501

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.4 Grading - 2021****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	7.0000e-005	6.0000e-005	7.7000e-004	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1831	0.1831	1.0000e-005	1.0000e-005	0.1848
Total	7.0000e-005	6.0000e-005	7.7000e-004	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1831	0.1831	1.0000e-005	1.0000e-005	0.1848

3.5 Building Construction - 2021**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	0.0163	0.1227	0.1161	2.0000e-004		6.1600e-003	6.1600e-003		5.9500e-003	5.9500e-003	0.0000	16.3393	16.3393	2.9200e-003	0.0000	16.4122
Total	0.0163	0.1227	0.1161	2.0000e-004		6.1600e-003	6.1600e-003		5.9500e-003	5.9500e-003	0.0000	16.3393	16.3393	2.9200e-003	0.0000	16.4122

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.5 Building Construction - 2021****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	2.1000e-004	4.7700e-003	1.4900e-003	2.0000e-005	5.1000e-004	7.0000e-005	5.8000e-004	1.5000e-004	7.0000e-005	2.2000e-004	0.0000	1.5601	1.5601	6.0000e-005	2.3000e-004	1.6291
Worker	6.2000e-004	5.3000e-004	6.6100e-003	2.0000e-005	1.8800e-003	1.0000e-005	1.8900e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.5655	1.5655	5.0000e-005	4.0000e-005	1.5799
Total	8.3000e-004	5.3000e-003	8.1000e-003	4.0000e-005	2.3900e-003	8.0000e-005	2.4700e-003	6.5000e-004	8.0000e-005	7.3000e-004	0.0000	3.1256	3.1256	1.1000e-004	2.7000e-004	3.2090

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	0.0163	0.1227	0.1161	2.0000e-004		6.1600e-003	6.1600e-003		5.9500e-003	5.9500e-003	0.0000	16.3393	16.3393	2.9200e-003	0.0000	16.4122
Total	0.0163	0.1227	0.1161	2.0000e-004		6.1600e-003	6.1600e-003		5.9500e-003	5.9500e-003	0.0000	16.3393	16.3393	2.9200e-003	0.0000	16.4122

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.5 Building Construction - 2021****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	2.1000e-004	4.7700e-003	1.4900e-003	2.0000e-005	5.1000e-004	7.0000e-005	5.8000e-004	1.5000e-004	7.0000e-005	2.2000e-004	0.0000	1.5601	1.5601	6.0000e-005	2.3000e-004	1.6291
Worker	6.2000e-004	5.3000e-004	6.6100e-003	2.0000e-005	1.8800e-003	1.0000e-005	1.8900e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.5655	1.5655	5.0000e-005	4.0000e-005	1.5799
Total	8.3000e-004	5.3000e-003	8.1000e-003	4.0000e-005	2.3900e-003	8.0000e-005	2.4700e-003	6.5000e-004	8.0000e-005	7.3000e-004	0.0000	3.1256	3.1256	1.1000e-004	2.7000e-004	3.2090

3.5 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1500	1.1378	1.1581	2.0100e-003		0.0536	0.0536		0.0518	0.0518	0.0000	165.2350	165.2350	0.0288	0.0000	165.9545
Total	0.1500	1.1378	1.1581	2.0100e-003		0.0536	0.0536		0.0518	0.0518	0.0000	165.2350	165.2350	0.0288	0.0000	165.9545

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.5 Building Construction - 2022****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	1.4800e-003	0.0406	0.0131	1.6000e-004	5.1600e-003	3.9000e-004	5.5600e-003	1.4900e-003	3.8000e-004	1.8700e-003	0.0000	15.3485	15.3485	5.6000e-004	2.2300e-003	16.0274
Worker	5.7800e-003	4.6800e-003	0.0612	1.7000e-004	0.0190	1.2000e-004	0.0191	5.0400e-003	1.1000e-004	5.1400e-003	0.0000	15.3368	15.3368	4.3000e-004	4.1000e-004	15.4706
Total	7.2600e-003	0.0452	0.0743	3.3000e-004	0.0241	5.1000e-004	0.0247	6.5300e-003	4.9000e-004	7.0100e-003	0.0000	30.6852	30.6852	9.9000e-004	2.6400e-003	31.4979

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	0.1500	1.1378	1.1581	2.0100e-003		0.0536	0.0536		0.0518	0.0518	0.0000	165.2348	165.2348	0.0288	0.0000	165.9543
Total	0.1500	1.1378	1.1581	2.0100e-003		0.0536	0.0536		0.0518	0.0518	0.0000	165.2348	165.2348	0.0288	0.0000	165.9543

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.5 Building Construction - 2022****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	1.4800e-003	0.0406	0.0131	1.6000e-004	5.1600e-003	3.9000e-004	5.5600e-003	1.4900e-003	3.8000e-004	1.8700e-003	0.0000	15.3485	15.3485	5.6000e-004	2.2300e-003	16.0274
Worker	5.7800e-003	4.6800e-003	0.0612	1.7000e-004	0.0190	1.2000e-004	0.0191	5.0400e-003	1.1000e-004	5.1400e-003	0.0000	15.3368	15.3368	4.3000e-004	4.1000e-004	15.4706
Total	7.2600e-003	0.0452	0.0743	3.3000e-004	0.0241	5.1000e-004	0.0247	6.5300e-003	4.9000e-004	7.0100e-003	0.0000	30.6852	30.6852	9.9000e-004	2.6400e-003	31.4979

3.6 Paving - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.4400e-003	0.0339	0.0440	7.0000e-005		1.7400e-003	1.7400e-003		1.6000e-003	1.6000e-003	0.0000	5.8848	5.8848	1.8700e-003	0.0000	5.9315
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.4400e-003	0.0339	0.0440	7.0000e-005		1.7400e-003	1.7400e-003		1.6000e-003	1.6000e-003	0.0000	5.8848	5.8848	1.8700e-003	0.0000	5.9315

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 Paving - 2022****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	2.2000e-004	1.8000e-004	2.3000e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5766	0.5766	2.0000e-005	2.0000e-005	0.5816
Total	2.2000e-004	1.8000e-004	2.3000e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5766	0.5766	2.0000e-005	2.0000e-005	0.5816

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	3.4400e-003	0.0339	0.0440	7.0000e-005		1.7400e-003	1.7400e-003		1.6000e-003	1.6000e-003	0.0000	5.8848	5.8848	1.8700e-003	0.0000	5.9314
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.4400e-003	0.0339	0.0440	7.0000e-005		1.7400e-003	1.7400e-003		1.6000e-003	1.6000e-003	0.0000	5.8848	5.8848	1.8700e-003	0.0000	5.9314

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 Paving - 2022****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	2.2000e-004	1.8000e-004	2.3000e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5766	0.5766	2.0000e-005	2.0000e-005	0.5816
Total	2.2000e-004	1.8000e-004	2.3000e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5766	0.5766	2.0000e-005	2.0000e-005	0.5816

3.7 Architectural Coating - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2654					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0200e-003	7.0400e-003	9.0700e-003	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2787
Total	0.2664	7.0400e-003	9.0700e-003	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2787

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.7 Architectural Coating - 2022****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	7.0000e-005	5.0000e-005	7.1000e-004	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1774	0.1774	0.0000	0.0000	0.1790
Total	7.0000e-005	5.0000e-005	7.1000e-004	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1774	0.1774	0.0000	0.0000	0.1790

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	0.2654					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0200e-003	7.0400e-003	9.0700e-003	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2787
Total	0.2664	7.0400e-003	9.0700e-003	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2787

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.7 Architectural Coating - 2022****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	7.0000e-005	5.0000e-005	7.1000e-004	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1774	0.1774	0.0000	0.0000	0.1790
Total	7.0000e-005	5.0000e-005	7.1000e-004	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1774	0.1774	0.0000	0.0000	0.1790

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

Evergreen Development - South Coast Air Basin, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.9382	3.4289	28.5253	0.0483	4.8156	0.0395	4.8551	1.2851	0.0367	1.3217	0.0000	4,469.5597	4,469.5597	0.4412	0.2685	4,560.5963
Unmitigated	3.9382	3.4289	28.5253	0.0483	4.8156	0.0395	4.8551	1.2851	0.0367	1.3217	0.0000	4,469.5597	4,469.5597	0.4412	0.2685	4,560.5963

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	585.04	1,252.48	1252.48	1,039,140	1,039,140
Convenience Market with Gas Pumps	2,552.98	2,552.98	2552.98	1,523,808	1,523,808
Fast Food Restaurant with Drive Thru	1,412.85	1,848.36	1417.74	1,553,076	1,553,076
Fast Food Restaurant with Drive Thru	1,412.85	1,848.36	1417.74	1,553,076	1,553,076
Supermarket	4,596.88	7,646.54	7166.53	7,124,666	7,124,666
Total	10,560.60	15,148.72	13,807.47	12,793,766	12,793,766

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
Automobile Care Center	16.60	8.40	6.90	33.00	48.00	19.00	21	51	28
Convenience Market with Gas	16.60	8.40	6.90	0.80	80.20	19.00	14	21	65
Fast Food Restaurant with Drive	16.60	8.40	6.90	2.20	78.80	19.00	29	21	50
Fast Food Restaurant with Drive	16.60	8.40	6.90	2.20	78.80	19.00	29	21	50
Supermarket	16.60	8.40	6.90	6.50	74.50	19.00	34	30	36

4.4 Fleet Mix

Evergreen Development - South Coast Air Basin, Annual

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

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.544109	0.060768	0.184625	0.129879	0.023845	0.006339	0.011719	0.008584	0.000815	0.000515	0.024285	0.000743	0.003774
Convenience Market with Gas Pumps	0.544109	0.060768	0.184625	0.129879	0.023845	0.006339	0.011719	0.008584	0.000815	0.000515	0.024285	0.000743	0.003774
Fast Food Restaurant with Drive Thru	0.544109	0.060768	0.184625	0.129879	0.023845	0.006339	0.011719	0.008584	0.000815	0.000515	0.024285	0.000743	0.003774
Supermarket	0.544109	0.060768	0.184625	0.129879	0.023845	0.006339	0.011719	0.008584	0.000815	0.000515	0.024285	0.000743	0.003774

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	342.9228	342.9228	0.0289	3.5100e-003	344.6919
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	342.9228	342.9228	0.0289	3.5100e-003	344.6919
Natural Gas Mitigated	0.0140	0.1275	0.1071	7.7000e-004		9.6900e-003	9.6900e-003		9.6900e-003	9.6900e-003	0.0000	138.8368	138.8368	2.6600e-003	2.5500e-003	139.6619
Natural Gas Unmitigated	0.0140	0.1275	0.1071	7.7000e-004		9.6900e-003	9.6900e-003		9.6900e-003	9.6900e-003	0.0000	138.8368	138.8368	2.6600e-003	2.5500e-003	139.6619

Evergreen Development - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Automobile Care Center	133200	7.2000e-004	6.5300e-003	5.4800e-003	4.0000e-005		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	7.1080	7.1080	1.4000e-004	1.3000e-004	7.1503
Convenience Market with Gas Pumps	8998	5.0000e-005	4.4000e-004	3.7000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.4802	0.4802	1.0000e-005	1.0000e-005	0.4830
Fast Food Restaurant with Drive Thru	817980	8.8200e-003	0.0802	0.0674	4.8000e-004		6.0900e-003	6.0900e-003		6.0900e-003	6.0900e-003	0.0000	87.3011	87.3011	1.6700e-003	1.6000e-003	87.8198
Supermarket	823547	4.4400e-003	0.0404	0.0339	2.4000e-004		3.0700e-003	3.0700e-003		3.0700e-003	3.0700e-003	0.0000	43.9476	43.9476	8.4000e-004	8.1000e-004	44.2087
Total		0.0140	0.1275	0.1071	7.6000e-004		9.6900e-003	9.6900e-003		9.6900e-003	9.6900e-003	0.0000	138.8369	138.8369	2.6600e-003	2.5500e-003	139.6619

Evergreen Development - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.2 Energy by Land Use - NaturalGas****Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Automobile Care Center	133200	7.2000e-004	6.5300e-003	5.4800e-003	4.0000e-005		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	7.1080	7.1080	1.4000e-004	1.3000e-004	7.1503
Convenience Market with Gas Pumps	8998	5.0000e-005	4.4000e-004	3.7000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.4802	0.4802	1.0000e-005	1.0000e-005	0.4830
Fast Food Restaurant with Drive Thru	817980	8.8200e-003	0.0802	0.0674	4.8000e-004		6.0900e-003	6.0900e-003		6.0900e-003	6.0900e-003	0.0000	87.3011	87.3011	1.6700e-003	1.6000e-003	87.8198
Supermarket	823547	4.4400e-003	0.0404	0.0339	2.4000e-004		3.0700e-003	3.0700e-003		3.0700e-003	3.0700e-003	0.0000	43.9476	43.9476	8.4000e-004	8.1000e-004	44.2087
Total		0.0140	0.1275	0.1071	7.6000e-004		9.6900e-003	9.6900e-003		9.6900e-003	9.6900e-003	0.0000	138.8369	138.8369	2.6600e-003	2.5500e-003	139.6619

Evergreen Development - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.3 Energy by Land Use - Electricity****Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	40870.4	7.2482	6.1000e-004	7.0000e-005	7.2856
Convenience Market with Gas Pumps	49652.6	8.8057	7.4000e-004	9.0000e-005	8.8511
Fast Food Restaurant with Drive Thru	138480	49.1176	4.1500e-003	5.0000e-004	49.3710
Supermarket	1.56616e+006	277.7513	0.0234	2.8400e-003	279.1842
Total		342.9228	0.0289	3.5000e-003	344.6919

Evergreen Development - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.3 Energy by Land Use - Electricity****Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	40870.4	7.2482	6.1000e-004	7.0000e-005	7.2856
Convenience Market with Gas Pumps	49652.6	8.8057	7.4000e-004	9.0000e-005	8.8511
Fast Food Restaurant with Drive Thru	138480	49.1176	4.1500e-003	5.0000e-004	49.3710
Supermarket	1.56616e+006	277.7513	0.0234	2.8400e-003	279.1842
Total		342.9228	0.0289	3.5000e-003	344.6919

6.0 Area Detail**6.1 Mitigation Measures Area**

Evergreen Development - South Coast Air Basin, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2335	1.0000e-005	7.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4200e-003	1.4200e-003	0.0000	0.0000	1.5100e-003
Unmitigated	0.2335	1.0000e-005	7.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4200e-003	1.4200e-003	0.0000	0.0000	1.5100e-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	0.0265					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2069					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.0000e-005	1.0000e-005	7.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4200e-003	1.4200e-003	0.0000	0.0000	1.5100e-003
Total	0.2335	1.0000e-005	7.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4200e-003	1.4200e-003	0.0000	0.0000	1.5100e-003

Evergreen Development - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**6.2 Area by SubCategory****Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0265					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2069					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.0000e-005	1.0000e-005	7.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4200e-003	1.4200e-003	0.0000	0.0000	1.5100e-003
Total	0.2335	1.0000e-005	7.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4200e-003	1.4200e-003	0.0000	0.0000	1.5100e-003

7.0 Water Detail**7.1 Mitigation Measures Water**

Evergreen Development - South Coast Air Basin, Annual

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	21.9213	0.2564	6.2100e-003	30.1834
Unmitigated	21.9213	0.2564	6.2100e-003	30.1834

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	0.387614 / 0.23757	1.4861	0.0128	3.1000e-004	1.8978
Convenience Market with Gas Pumps	0.302957 / 0.185683	1.1616	9.9600e-003	2.4000e-004	1.4833
Fast Food Restaurant with Drive Thru	1.8212 / 0.116247	5.0124	0.0597	1.4500e-003	6.9364
Supermarket	5.3067 / 0.164125	14.2613	0.1740	4.2100e-003	19.8658
Total		21.9213	0.2564	6.2100e-003	30.1834

Evergreen Development - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**7.2 Water by Land Use****Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	0.387614 / 0.23757	1.4861	0.0128	3.1000e-004	1.8978
Convenience Market with Gas Pumps	0.302957 / 0.185683	1.1616	9.9600e-003	2.4000e-004	1.4833
Fast Food Restaurant with Drive Thru	1.8212 / 0.116247	5.0124	0.0597	1.4500e-003	6.9364
Supermarket	5.3067 / 0.164125	14.2613	0.1740	4.2100e-003	19.8658
Total		21.9213	0.2564	6.2100e-003	30.1834

8.0 Waste Detail

8.1 Mitigation Measures Waste

Evergreen Development - South Coast Air Basin, Annual

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

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	69.0048	4.0781	0.0000	170.9563
Unmitigated	69.0048	4.0781	0.0000	170.9563

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	15.74	3.1951	0.1888	0.0000	7.9157
Convenience Market with Gas Pumps	12.29	2.4948	0.1474	0.0000	6.1807
Fast Food Restaurant with Drive Thru	69.11	14.0287	0.8291	0.0000	34.7555
Supermarket	242.8	49.2862	2.9127	0.0000	122.1045
Total		69.0048	4.0781	0.0000	170.9563

Evergreen Development - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**8.2 Waste by Land Use****Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	15.74	3.1951	0.1888	0.0000	7.9157
Convenience Market with Gas Pumps	12.29	2.4948	0.1474	0.0000	6.1807
Fast Food Restaurant with Drive Thru	69.11	14.0287	0.8291	0.0000	34.7555
Supermarket	242.8	49.2862	2.9127	0.0000	122.1045
Total		69.0048	4.0781	0.0000	170.9563

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

Evergreen Development - South Coast Air Basin, Annual

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

Equipment Type	Number
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11.0 Vegetation

EMFAC2021 WORKSHEETS



Source: EMFAC2021 (v1.0.1) Emissions Inventory

Region Type: County

Region: Riverside

Calendar Year: 2019

Season: Annual

Vehicle Classification: EMFAC2011 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

	Calendar Yr	Vehicle Cat	Model Year	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips	Energy Con	NOx_RUNE	NOx_IDLEX	NOx_STRE	NOx_TOTE	PM2.5_RUNE	PM2.5_IDL	PM2.5_STR	PM2.5_TO	PM2.5_PM	PM2.5_PM	PM2.5_TO	PM10_RUNE	PM10_IDLE	PM10_STR	PM10_TOT	PM10_PMI	PM10_PMI	PM10_TOT	CO2_RUNE	CO2_IDLEX	CO2_STRE	CO2_TOTE	CH4_RUNE	CH4_IDLEX		
Riverside	2019	All Other B	Aggregate	Aggregate	Diesel	252.6895	3592342	3592342	0	656689.5	0	30.86564	0.776931	0.237972	31.88054	1.205192	0.010979	0	1.216171	0.01188	0.058265	1.286315	1.259686	0.011475	0	1.271161	0.047519	0.16647	1.48515	4218.476	55.30524	0	4273.781	0.091571	0.001681		
Riverside	2019	All Other B	Aggregate	Aggregate	Natural Gas	22.83537	427128.3	427128.3	0	59344.57	0	0.063293	0.011606	0	0.0749	0.000202	2.14E-05	0	0.000223	0.001412	0.006929	0.008565	0.000219	2.32E-05	0	0.000243	0.00565	0.019797	0.02569	369.4292	8.758259	0	378.1875	0.180564	0.034921		
Riverside	2019	LDA	Aggregate	Aggregate	Gasoline	646214.4	9.08E+09	9.08E+09	0	1.06E+09	0	643.8331	0	344.8718	988.7049	13.47296	0	2.549679	16.02264	20.01234	23.04003	59.07502	14.6523	0	2.772684	17.42498	80.04937	65.82867	163.303	3066120	0	87632.97	3153753	37.02898	0		
Riverside	2019	LDA	Aggregate	Aggregate	Diesel	2551.558	33520730	33520730	0	4024553	0	9.748455	0	0	9.748455	0.695926	0	0	0.695926	0.073901	0.085343	0.855169	0.727392	0	0	0.727392	0.295602	0.243836	1.266831	9029.138	0	0	9029.138	0.052184	0		
Riverside	2019	LDA	Aggregate	Aggregate	Electricity	6449.456	74915787	0	74915787	11342530	28923677	0	0	0	0	0	0	0	0	0.165161	0.126027	0.291188	0	0	0	0	0	0.660644	0.360077	1.020722	0	0	0	0	0	0	0
Riverside	2019	LDA	Aggregate	Aggregate	Plug-in Hyt	9729.571	1.65E+08	89003701	75898367	13960427	22923569	0.580146	0	1.702661	2.282807	0.153345	0	0.03949	0.192836	0.363547	0.232691	0.789073	0.166777	0	0.042949	0.209727	1.454187	0.664831	2.328744	26632.57	0	1054.546	27687.12	0.082693	0		
Riverside	2019	LDT1	Aggregate	Aggregate	Gasoline	64826.3	7.87E+08	7.87E+08	0	98118383	0	263.7544	0	64.25413	328.0086	2.484366	0	0.453885	2.93825	1.734575	2.428174	7.101	2.701119	0	0.493475	3.194594	6.938302	6.937641	319836.6	0	10672.74	330509.4	13.2503	0			
Riverside	2019	LDT1	Aggregate	Aggregate	Diesel	48.81682	339782.1	339782.1	0	53399.48	0	0.598989	0	0	0.598989	0.087288	0	0	0.087288	0.000749	0.001154	0.089191	0.091235	0	0	0.091235	0.002996	0.003298	0.097529	156.4843	0	0	156.4843	0.005635	0		
Riverside	2019	LDT1	Aggregate	Aggregate	Electricity	24.05619	206780.5	0	206780.5	38361.29	79834.34	0	0	0	0	0	0	0	0	0.000456	0.000351	0.000807	0	0	0	0	0	0.001823	0.001004	0.002827	0	0	0	0	0	0	0
Riverside	2019	LDT1	Aggregate	Aggregate	Plug-in Hyt	0.389986	6740.25	3652.35	3087.9	559.5688	932.6377	2.37E-05	0	6.82E-05	9.19E-05	7.24E-06	0	1.87E-06	9.11E-06	1.49E-05	9.44E-06	3.34E-05	7.88E-06	0	2.03E-06	9.91E-06	5.94E-05	2.70E-05	9.63E-05	1.089223	0	0.048392	1.137615	3.37E-06	0		
Riverside	2019	LDT2	Aggregate	Aggregate	Gasoline	245967.6	3.47E+09	3.47E+09	0	4.01E+08	0	509.1314	0	211.3107	720.4422	5.527659	0	0.991325	6.518984	7.654714	10.15405	24.32775	6.010671	0	1.077936	7.088607	30.61886	29.01158	66.71904	1493110	0	43044	1536154	19.51224	0		
Riverside	2019	LDT2	Aggregate	Aggregate	Diesel	651.9891	10207527	10207527	0	1105157	0	1.08612	0	0.114646	0.022504	0.121466	0	0	0.114646	0.022504	0.128155	0.165305	0.11983	0	0	0.11983	0.090015	0.080442	0.290287	3802.244	0	0	3802.244	0.010413	0		
Riverside	2019	LDT2	Aggregate	Aggregate	Electricity	25.37299	312180.7	0	312180.7	45606.64	120527.5	0	0	0	0	0	0	0	0	0.000688	0.000524	0.001212	0	0	0	0	0	0.002753	0.001496	0.004249	0	0	0	0	0	0	0
Riverside	2019	LDT2	Aggregate	Aggregate	Plug-in Hyt	303.153	5491778	2918891	2572888	434977.6	777088.8	0.018982	0	0.053001	0.071983	0.005724	0	0.001439	0.007162	0.012107	0.00773	0.026999	0.006225	0	0.001565	0.007789	0.048429	0.022086	0.078304	873.0338	0	39.52042	912.5543	0.002721	0		
Riverside	2019	LHD1	Aggregate	Aggregate	Gasoline	26008.64	2.9E+08	2.9E+08	0	1.27E+08	0	88.16966	0.386118	99.98354	188.5393	0.368205	0	0.064748	0.432954	0.640176	8.738403	9.811532	0.400021	0	0.070195	0.470216	2.560704	24.96686	27.99778	226693.8	1160.295	3520.798	231374.9	2.587404	1.179542		
Riverside	2019	LHD1	Aggregate	Aggregate	Diesel	19864.52	2.44E+08	2.44E+08	0	81707699	0	740.3283	17.32175	0	757.65	8.953398	0.19034	0	9.143739	0.807134	7.34492	17.29579	9.358231	0.198947	0	9.557178	3.228536	20.98548	33.7712	134094.2	993.5605	0	135087.8	1.717175	0.036504		
Riverside	2019	LHD2	Aggregate	Aggregate	Gasoline	4039.637	46339865	46339865	0	19680354	0	11.26782	0.05988	15.46539	26.79309	0.048594	0	0.006924	0.055518	0.102162	1.626928	1.784609	0.05285	0	0.007531	0.060381	0.408648	4.648367	5.117396	39425.69	207.5088	566.0219	40199.22	0.268382	0.186319		
Riverside	2019	LHD2	Aggregate	Aggregate	Diesel	8437.301	1.06E+08	1.06E+08	0	34704718	0	244.6692	7.309093	0	251.9783	3.425199	0.079363	0	3.504562	0.351521	3.731977	7.588059	3.580071	0.082951	0	3.663022	1.406082	10.66279	15.7319	70661.5	676.3604	0	71337.86	0.646909	0.015505		
Riverside	2019	MCY	Aggregate	Aggregate	Gasoline	31506.56	66787791	66787791	0	21865551	0	47.61744	0	3.912407	51.52984	0.121602	0	0.080197	0.201798	0.073621	0.309208	0.584627	0.129579	0	0.084974	0.214553	0.294484	0.883451	1.392488	14133.4	0	1279.11	15412.51	13.99787	0		
Riverside	2019	MDV	Aggregate	Aggregate	Gasoline	219804.7	2.96E+09	2.96E+09	0	3.52E+08	0	679.4546	0	252.535	931.9896	4.907931	0	0.958075	5.866005	6.526407	8.990469	21.38288	5.332447	0	1.040865	6.373313	26.10563	25.68705	58.16599	1543323	0	46225.43	1589549	25.94981	0		
Riverside	2019	MDV	Aggregate	Aggregate	Diesel	3197.876	47819062	47819062	0	5339498	0	11.50176	0	11.50176	0.561484	0	0	0.561484	0.105423	0.139209	0.806116	0.586872	0	0	0	0.586872	0.421692	0.39774	1.406304	23797.73	0	0	23797.73	0.048092	0		
Riverside	2019	MDV	Aggregate	Aggregate	Electricity	6.883161	60069.31	0	60069.31	11096.58	23191.71	0	0	0	0	0	0	0	0	0.000132	0.000102	0.000235	0														

CH4_STREX	CH4_TOTE	N2O_RUNE	N2O_IDLEX	N2O_STREX	N2O_TOTE	ROG_RUNE	ROG_IDLE	ROG_STREX	ROG_TOTE	ROG_DIUR	ROG_HOTS	ROG_RUNL	ROG_TOTA	TOG_RUNE	TOG_IDLEX	TOG_STREX	TOG_TOTE	TOG_DIURI	TOG_HOTS	TOG_RUNL	TOG_TOTA	CO_RUNEX	CO_IDLEX	CO_STREX	CO_TOTEX	SOx_RUNE	SOx_IDLEX	SOx_STREX	SOx_TOTE	NH3_RUNE	Fuel Consumption	
	0	0.093253	0.664025	0.008706	0	0.672731	1.971502	0.036202	0	2.007704	0	0	0	2.007704	2.244405	0.041213	0	2.285618	0	0	0	2.285618	5.783024	0.252534	0	6.035558	0.039911	0.000523	0	0.040434	0.335367	381.4319
	0	0.215485	0.075311	0.001785	0	0.077096	0.00258	0.000499	0	0.003079	0	0	0	0.003079	0.184279	0.03564	0	0.219919	0	0	0	0.219919	1.037974	0.037582	0	1.075556	0	0	0	0	0.499078	43.7127
97.05816	134.0871	60.67231	0	41.24327	101.9156	150.4632	0	457.9381	608.4013	426.1472	115.9603	270.9373	1421.446	219.2812	0	501.3793	720.6605	426.1472	115.9603	270.9373	1533.705	10211.25	0	4339.459	14550.71	30.34113	0	0.867182	31.20831	303.4353	332882	
	0	0.052184	1.421265	0	0	1.421265	1.123488	0	0	1.123488	0	0	0	1.123488	1.279017	0	0	1.279017	0	0	0	1.279017	12.40363	0	0	12.40363	0.085479	0	0	0.085479	0.114546	805.844
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.622766	0.705459	0.110967	0	0.324911	0.435879	0.253873	0	2.458706	2.712579	2.388452	0.624849	0.568205	6.294085	0.370451	0	2.691973	3.062424	2.388452	0.624849	0.568205	6.64393	43.8407	0	18.77225	62.61295	0.263546	0	0.010435	0.273981	3.418847	2922.405	
17.82998	31.08029	16.86452	0	5.243052	22.10757	61.24191	0	97.65001	158.8919	122.4106	30.11771	89.77259	401.1928	88.85556	0	106.9112	195.7668	122.4106	30.11771	89.77259	438.0677	2714.367	0	925.3516	3639.719	3.164979	0	0.105613	3.270592	33.27383	34885.62	
	0	0.005635	0.024632	0	0	0.024632	0.121311	0	0	0.121311	0	0	0	0.121311	0.138105	0	0	0.138105	0	0	0	0.138105	0.822235	0	0	0.822235	0.001481	0	0	0.001481	0.001161	13.96611
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.50E-05	2.84E-05	4.55E-06	0	1.31E-05	1.77E-05	1.03E-05	0	9.84E-05	0.000109	8.91E-05	2.09E-05	2.14E-05	0.00024	1.51E-05	0	0.000108	0.000123	8.91E-05	2.09E-05	2.14E-05	0.000254	0.001795	0	0.000752	0.002547	1.08E-05	0	4.79E-07	1.13E-05	0.000169	0.120076	
46.2043	65.71654	36.40719	0	19.96785	56.37504	82.49124	0	223.0638	305.5551	166.498	44.37581	107.3855	623.8144	119.4641	0	244.2215	363.6857	166.498	44.37581	107.3855	681.945	5153.358	0	2033.766	7187.124	14.77523	0	0.425947	15.20118	123.726	162142.7	
	0	0.010413	0.598506	0	0	0.598506	0.224178	0	0	0.224178	0	0	0	0.255212	0	0	0.255212	0	0	0	0.255212	1.65556	0	0	1.65556	0.035996	0	0	0.035996	0.034881	339.3475	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.019475	0.022195	0.003673	0	0.010238	0.013911	0.0083	0	0.076371	0.084671	0.059375	0.015024	0.01485	0.17392	0.012111	0	0.083617	0.095728	0.059375	0.015024	0.01485	0.184977	1.441963	0	0.583396	2.025359	0.008639	0	0.000391	0.00903	0.133469	96.32108	
5.70727	9.474217	5.000172	0.029105	7.51375	12.54303	13.11447	4.424038	28.89965	46.43816	32.63144	8.495609	40.90657	128.4718	18.72701	6.45084	31.63302	56.81088	32.63144	8.495609	40.90657	138.8445	453.6322	35.095	391.7728	880.5	2.243274	0.011482	0.03484	2.289596	14.34957	24421.87	
	0	1.753679	21.1076	0.156395	0	21.264	36.96976	0.78591	0	37.75567	0	0	0	37.75567	42.08761	0.894706	0	42.98232	0	0	0	42.98232	132.6682	6.514028	0	139.1822	1.269468	0.009406	0	1.278874	35.82351	12056.49
0.828427	1.283128	0.683462	0.004629	1.180616	1.868707	1.258379	0.686359	4.082949	6.027687	4.357673	1.074883	5.14598	16.60622	1.836206	1.001533	4.470315	7.308055	4.357673	1.074883	5.14598	17.88659	50.49666	5.469983	61.25418	117.2208	0.390141	0.002053	0.005601	0.397796	2.296925	4243.071	
	0	0.662414	11.12274	0.106465	0	11.2292	13.92757	0.333809	0	14.26138	0	0	0	14.26138	15.85562	0.38002	0	16.23564	0	0	0	16.23564	42.65827	2.766783	0	45.42505	0.668952	0.006403	0	0.675355	17.59077	6366.852
4.66454	18.66241	3.143492	0	0.227992	3.371484	95.49134	0	34.87831	130.3697	62.85295	86.81965	89.85595	369.8982	112.6215	0	37.90298	150.5244	62.85295	86.81965	89.85595	390.053	1134.877	0	188.2776	1323.155	0.139859	0	0.012658	0.152516	0.630048	1626.807	
54.84545	80.79526	43.98559	0	20.24253	64.22811	121.1129	0	287.1467	408.2597	172.2533	46.95157	115.7141	743.1787	170.5356	0	314.358	484.8936	172.2533	46.95157	115.7141	819.8126	5804.091	0	2043.38	7847.471	15.27213	0	0.457429	15.72956	104.3424	167778.6	
	0	0.048092	3.74597	0	0	3.74597	1.035401	0	0	1.035401	0	0	0	1.178735	0	0	1.178735	0	0	0	1.178735	14.6237	0	0	14.6237	0.225293	0	0	0.225293	0.163406	2123.93	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.040979	0.04654	0.007477	0	0.021433	0.02891	0.017034	0	0.161282	0.178317	0.129725	0.032052	0.03298	0.373074	0.024856	0	0.176584	0.20144	0.129725	0.032052	0.03298	0.396198	2.943535	0	1.231256	4.174791	0.017686	0	0.001024	0.01871	0.276481	199.569	
0.011733	0.441618	0.718201	0	0.01135	0.729551	2.067183	0	0.051328	2.118511	14.84208	3.920504	0.081401	20.9625	2.897373	0	0.056146	2.953519	14.84208	3.920504	0.081401	21.79751	69.49744	0	1.025356	70.5228	0.449658	0	9.11E-05	0.449749	1.146296	4797.225	
	0	0.032213	1.462711	0	0	1.462711	0.693886	0	0	0.693886	0	0	0	0.789943	0.789943	0	0	0.789943	0	0	0	3.164685	0.087971	0	0	3.164685	0.087971	0	0	0.087971	1.059997	829.3435
	0	0.024323	0.665239	0.031816	0	0.697055	0.408762	0.114912	0	0.523674	0	0	0	0.523674	0.465344	0.130819	0	0.596163	0	0	0	1.519469	1.034852	0	2.554321	0.039983	0.001912	0	0.041896	0.437536	395.2236	
0.178301	0.38994	0.312721	0.001196	0.141041	0.454958	0.850822	0.170708	0.966438	1.987968	0.627924	0.163068	0.551508	3.330467	1.199392	0.248586	1.05713	2.505108	0.627924	0.163068	0.551508	3.847607	22.87654	1.318987	17.96912	42.16465	0.186734	0.000882	0.001498	0.189114	0.488211	2017.174	
	0	0.240204	5.785556	0	0	5.785556	5.171532	0	0	5.171532	0	0	0	5.171532	5.887396	0	0	5.887396	0	0	0	5.887396	18.22931	0	0	18.22931	0.347735	0	0.347735	2.900423	3280.356	
0.056465	0.784588	0.236574	0.015801	0.042135	0.294509	1.81657	1.988938	0.345313	4.150821	0.404895	0.119423	0.228827	4.903966	2.382245	2.892571	0.377602	5.652419	0.404895	0.119423	0.228827	6.405563	40.54609	15.34748	7.344743	63.23832	0.074806	0.004938	0.000438	0.080182	0.361584	855.2595	
	0	0.042043	1.125942	0.093671	0	1.219612	0.859241	0.045937	0	0.905178	0	0	0	0.905178	0.978181	0.052295	0	1.030476	0	0	0	2.038487	0.639425	0	2.677912	0.067674	0.00563	0	0.073304	0.363385	691.5088	
	0	26.68827	1.702097	0.151982	0	1.854079	0.34049	0.040833	0	0.381323	24.3207	2.916634	0	27.23734	0	0	27.23734	84.82085	3.457546	0	88.2784	0	0	0	88.2784	0	0	0	0	0	4.998808	1051.245
	0	0.025821	1.12967	0.003345	0	1.133015	0.552227	0.003701	0	0.555927	0	0	0	0.555927	0.628668	0.004213	0	0.632881	0	0	0	0.632881	1.965605	0.068261	0	2.033866	0.067898	0.000201	0	0.068099	1.219918	642.4089
	0	0.002472	0.001035	7.17E-06	0	0.001042	3.33E-05	2.07E-06	0	3.53E-05	0	0	0	3.53E-05	0.002375	0.000148	0	0.002523	0	0	0	0.002523	0.015894	0.000152	0	0.016046	0	0	0	0	0.007271	0.590817
	0	0.006516	0.319771	0.002881	0	0.322652	0.137452	0.002831	0	0.140283	0	0	0	0.140283	0.156479	0.003223	0	0.159702	0	0	0	0.159702	0.529946	0.058936	0	0.588882	0.01922	0.000173	0	0.019393	0.323636	182.9406
	0	0.29623	5.734394	0.277273	0	6.011668	5.728051	0.649692	0	6.377743	7.260575	0	0	6.377743	6.52095	0.739625	0	7.260575	0	0	0	24.38879	6.099703	0	24.38879	0.34466	0.016665	0	0.361325	4.511695	3408.559	
	0	0.354153	0.086527	0.007469	0	0.093997	0.003176	0.001885	0	0.00506	0	0	0	0.00506	0.226831	0.134609	0	0.361439	0	0	0	1.09843	0.192187	0	1.290617	0	0	0	0	0.565606	53.2952	
	0	1.29892	25.9879	1.493369	0	27.4																										

Source: EMFAC2021 (v1.0.1) Emissions Inventory

Region Type: Statewide

Region: California

Calendar Year: 2019

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

	Calendar Yr	Vehicle Cat	Model Year	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips	Energy Con	NOx_RUNE	NOx_IDLEX	NOx_STRE	NOx_TOTE	PM2.5_RUI	PM2.5_IDL	PM2.5_STR	PM2.5_TO	PM2.5_PM	PM2.5_PM	PM2.5_TO	PM10_RUN	PM10_IDLE	PM10_STR	PM10_TOT	PM10_PMI	PM10_PMI	PM10_TOT	CO2_RUNE	CO2_IDLEX	CO2_STRE	CO2_TOTE	CH4_RUNE	CH4_IDLEX		
Statewide	2019	HHDT	Aggregate	Aggregate	Gasoline	548.3253	5599503	5599503	0	3587482	0	83.00535	0	4.188553	87.1939	0.051582	0	0.021422	0.073004	0.030862	0.231307	0.335173	0.055045	0	0.022712	0.077758	0.123448	0.660877	0.862082	16019.42	0	339.5667	16358.98	3.726435	0		
Statewide	2019	HHDT	Aggregate	Aggregate	Diesel	270487.7	1.22E+10	1.22E+10	0	1.34E+09	0	59269.89	7750.175	2624.486	69644.55	1097.8	19.84291	0	1117.643	119.6529	388.3796	1625.715	1147.438	20.74011	0	1168.178	478.7718	1109.656	2756.605	22433427	1387263	0	23820689	78.44812	27.31488		
Statewide	2019	HHDT	Aggregate	Aggregate	Natural Gas	11888.24	2.75E+08	2.75E+08	0	26796266	0	537.9399	49.05366	0	586.9935	0.956279	0.060122	0	1.0164	2.730851	15.58213	19.32938	1.04004	0.065388	0	1.105428	10.9234	44.52038	56.54921	425576.9	37079.36	0	462656.3	775.6808	125.2645		
Statewide	2019	LDA	Aggregate	Aggregate	Gasoline	13805991	1.78E+11	1.78E+11	0	2.24E+10	0	15232.23	0	8125.276	23357.51	298.1205	0	57.16677	355.2873	392.8627	528.3695	1276.519	324.2159	0	62.16427	386.3802	1571.451	1509.627	3467.458	60415358	0	1898123	62313482	884.9426	0		
Statewide	2019	LDA	Aggregate	Aggregate	Diesel	61677.77	6.84E+08	6.84E+08	0	93800527	0	269.1495	0	0	269.1495	19.85728	0	0	19.85728	1.507077	2.007172	23.37153	20.75514	0	0	20.75514	6.028307	5.734778	32.51823	189136	0	0	189136	1.521621	0		
Statewide	2019	LDA	Aggregate	Aggregate	Electricity	298490.2	3.48E+09	0	3.48E+09	5.26E+08	1.35E+09	0	0	0	0	0	0	0	0	7.682414	5.861244	13.54366	0	0	0	0	30.72966	16.74641	47.47607	0	0	0	0	0	0	0	
Statewide	2019	LDA	Aggregate	Aggregate	Plug-in Hyt	199593.4	3.18E+09	1.71E+09	1.46E+09	2.86E+08	4.42E+08	12.55893	0	35.75267	48.3116	3.279198	0	0.817159	4.096357	7.006819	4.771278	15.87445	3.566427	0	0.888735	4.455162	28.02728	13.63222	46.11466	542632.6	0	21663.38	564296	1.857656	0		
Statewide	2019	LDT1	Aggregate	Aggregate	Gasoline	1540249	1.7E+10	1.7E+10	0	2.34E+09	0	5231.443	0	1507.348	6738.792	55.11384	0	10.67036	65.78419	37.53273	61.78649	165.1034	59.92514	0	11.60067	71.52581	150.1309	176.5328	398.1896	6851249	0	255749.5	7106999	269.9547	0		
Statewide	2019	LDT1	Aggregate	Aggregate	Diesel	1159.942	6010944	6010944	0	1260460	0	10.64983	0	0	10.64983	1.64002	0	0	1.64002	0.013252	0.024803	1.678075	1.714175	0	0	1.714175	0.053007	0.070867	1.838049	2838.182	0	0	2838.182	0.097413	0		
Statewide	2019	LDT1	Aggregate	Aggregate	Electricity	1927.156	16977082	0	16977082	3099276	6554555	0	0	0	0	0	0	0	0	0.037428	0.028838	0.066266	0	0	0	0	0.149712	0.082394	0.232106	0	0	0	0	0	0	0	
Statewide	2019	LDT1	Aggregate	Aggregate	Plug-in Hyt	13.04135	209312.4	113420.4	95891.97	18712.31	28962.23	0.000838	0	0.002351	0.003189	0.000247	0	6.24E-05	0.00031	0.000461	0.000314	0.001085	0.000269	0	6.79E-05	0.000337	0.001846	0.000897	0.00308	35.87742	0	1.621699	37.49912	0.000123	0		
Statewide	2019	LDT2	Aggregate	Aggregate	Gasoline	5806444	7.46E+10	7.46E+10	0	9.42E+09	0	11890.37	0	5375.011	17265.39	132.2787	0	23.92873	156.2074	164.5147	260.2174	580.9395	143.8393	0	26.01794	169.8573	658.0588	743.4782	1571.394	32147242	0	1026551	33173794	464.1121	0		
Statewide	2019	LDT2	Aggregate	Aggregate	Diesel	16976.18	2.41E+08	2.41E+08	0	28592983	0	24.63573	0	0	24.63573	2.505014	0	0	2.505014	0.532361	0.806627	3.844002	2.618279	0	0	2.618279	2.129444	2.30465	7.052373	91390.72	0	0	91390.72	0.276622	0		
Statewide	2019	LDT2	Aggregate	Aggregate	Electricity	791.1012	9018738	0	9018738	1382148	3481977	0	0	0	0	0	0	0	0	0.019883	0.015161	0.035044	0	0	0	0	0.079532	0.043318	0.122849	0	0	0	0	0	0	0	
Statewide	2019	LDT2	Aggregate	Aggregate	Plug-in Hyt	7171.642	1.22E+08	64612588	57010051	10290195	17218735	0.475383	0	1.285631	1.761014	0.140419	0	0.034048	0.174467	0.268132	0.182825	0.625424	0.152719	0	0.03703	0.189749	1.072528	0.522356	1.784633	20494.27	0	935.759	21430.03	0.07085	0		
Statewide	2019	LHDT1	Aggregate	Aggregate	Gasoline	575267.6	6.43E+09	6.43E+09	0	2.8E+09	0	2356.18	8.496129	2204.044	4568.72	12.52428	0	1.602045	14.12633	14.18577	193.6358	221.9479	13.60715	0	1.736736	15.34389	56.74308	553.2451	625.332	6041147	25634.52	79145.12	6145926	100.767	25.52046		
Statewide	2019	LHDT1	Aggregate	Aggregate	Diesel	397713.8	4.68E+09	4.68E+09	0	1.64E+09	0	15589.71	350.9727	0	15940.68	259.9365	3.941891	0	263.8784	15.48921	140.9518	420.3194	271.6897	4.120126	0	275.8098	61.95684	402.7194	740.4861	3087985	19986.56	0	3107972	54.08147	0.730859		
Statewide	2019	LHDT2	Aggregate	Aggregate	Gasoline	81302.73	9.29E+08	9.29E+08	0	3.96E+08	0	281.3958	1.200012	308.1446	590.7404	1.443614	0	0.161007	1.604621	2.047232	32.60217	36.25402	1.570052	0	0.175107	1.745159	8.188927	93.14905	103.0831	954073.5	4175.156	11523.33	969772	10.0877	3.671997		
Statewide	2019	LHDT2	Aggregate	Aggregate	Diesel	138980.6	1.74E+09	1.74E+09	0	5.72E+08	0	4152.899	120.708	0	4273.607	77.36035	1.334965	0	78.69532	5.745262	60.99553	145.4361	80.85825	1.395326	0	82.25357	22.98105	174.2729	279.5076	1394446	11127.27	0	1405573	16.37926	0.255398		
Statewide	2019	MCY	Aggregate	Aggregate	Gasoline	691332.9	1.39E+09	1.39E+09	0	4.8E+08	0	1051.434	0	94.8861	1146.32	2.910669	0	2.107304	5.017973	1.531204	6.431053	12.98023	3.09637	0	2.227157	5.323527	6.124818	18.37444	29.82278	301202.9	0	29709.42	330912.3	323.7108	0		
Statewide	2019	MDV	Aggregate	Aggregate	Gasoline	4248475	5.14E+10	5.14E+10	0	6.78E+09	0	12837.62	0	5256.125	18093.75	96.36537	0	19.85718	116.2225	113.245	181.4608	410.9284	104.6827	0	21.56511	126.2478	452.98	518.4595	1097.687	26758734	0	900572.5	27659307	506.5389	0		
Statewide	2019	MDV	Aggregate	Aggregate	Diesel	64326.54	9.03E+08	9.03E+08	0	1.08E+08	0	143.4286	0	0	143.4286	9.051989	0	0	9.051989	1.989982	2.975444	14.01741	9.46128	0	0	9.46128	7.959927	8.501268	25.92247	442188.1	0	0	442188.1	0.886866	0		
Statewide	2019	MDV	Aggregate	Aggregate	Electricity	173.7758	1376598	0	1376598	266108.8	531480.4	0	0	0	0	0	0	0	0	0.003035	0.002345	0.005379	0	0	0	0	0	0.01214	0.006699	0.018838	0	0	0	0	0	0	0
Statewide	2019	MDV	Aggregate	Aggregate	Plug-in Hyt	11811.49	1.92E+08	1.04E+08	88226705	16947654	26647094	0.754424	0	2.117939	2.872363	0.22478	0	0.056849	0.281629	0.422935	0.285817	0.99038	0.244469	0	0.061828	0.306297	1.691739	0.816619	2.814655	32592.46	0	1919.419	34511.87	0.110762	0		
Statewide	2019	MH	Aggregate	Aggregate	Gasoline	113280.7	3.14E+08	3.14E+08	0	3705759	0	237.0522	0	1.564621	238.6168	0.714516	0	0.002716	0.717233	1.03904	5.344814	7.101087	0.774484	0	0.002928	0.777413	4.156159	15.2709	20.20447	646714.6	0	137.9971	646852.6	9.978669	0		
Statewide	2019	MH	Aggregate	Aggregate	Diesel	35851.86	1.11E+08	1.11E+08	0	1172356	0	599.5505	0	0	599.5505	16.5183	0	0	16.5183	0.487741	1.875705	18.88174	17.26518	0	0	17.26518	1.950962	5.359158	24.5753	127569.7	0	0	127569.7				

CH4_STRE\CH4_TOTE\N2O_RUNE			N2O_IDLEX\N2O_STRE\N2O_TOTE	ROG_RUNE	ROG_IDLE\ROG_STRE\ROG_TOTE	ROG_DIUR	ROG_HOTS	ROG_RUNI	ROG_TOTA	TOG_RUNE	TOG_IDLEX\TOG_STRE\TOG_TOTE	TOG_DIURI	TOG_HOTS	TOG_RUNI	TOG_TOTA	CO_RUNEX	CO_IDLEX	CO_STREX	CO_TOTEX	SOx_RUNE\SOx_IDLEX	SOx_STREX	SOx_TOTE\NH3_RUNE	Fuel Consumption								
0	3.726435	2.003207	0	0.08666	2.089866	28.99944	0	0	28.99944	2.383073	0.989487	5.441426	37.81343	36.63957	0	0	36.63957	2.383073	0.989487	5.441426	45.45356	1007.412	0	10.10194	1017.514	0.158522	0	0.00336	0.161882	0.214531	1726.708
0	105.763	3531.217	218.3672	0	3749.585	1688.967	588.0819	0	2277.049	0	0	0	2277.049	1922.76	669.4865	0	2592.246	0	0	0	2592.246	6383.129	6805.308	0	13188.44	212.2401	13.12473	0	225.3648	2354.603	2125979
0	900.9453	86.75664	7.558871	0	94.31551	24.82915	2.309305	0	27.13846	0	0	0	27.13846	807.3006	128.4335	0	935.7341	0	0	0	935.7341	3894.568	281.7352	0	4176.303	0	0	0	0	247.8727	53476.01
2303.869	3188.811	1344.727	0	908.6693	2253.396	3728.588	0	11334.79	15063.37	9050.987	2755.459	6697.914	33567.73	5434.803	0	12409.99	17844.8	9050.987	2755.459	6697.914	36349.16	217431.7	0	106244.4	323676.1	597.8469	0	18.78309	616.63	6022.631	6577255
0	1.521621	29.77166	0	0	29.77166	32.75961	0	0	32.75961	0	0	0	32.75961	37.29464	0	0	37.29464	0	0	0	37.29464	332.4509	0	0	332.4509	1.790548	0	0	1.790548	2.335966	16880.25
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13.1777	15.03535	2.332759	0	6.63368	8.966439	5.796229	0	52.86055	58.65678	41.01402	12.31798	11.20892	123.1977	8.457843	0	57.87565	66.3335	41.01402	12.31798	11.20892	130.8744	871.359	0	405.4945	1276.854	5.369681	0	0.214372	5.584054	66.54902	59562.05
424.1089	694.0636	332.3783	0	122.2651	454.6434	1266.928	0	2367.714	3634.642	2463.132	681.6564	2036.141	8815.571	1839.975	0	2592.258	4432.233	2463.132	681.6564	2036.141	9613.162	52480.34	0	23039.26	75519.59	67.79729	0	2.530797	70.32809	697.1482	750151.3
0	0.097413	0.446755	0	0	0.446755	2.097253	0	0	2.097253	0	0	0	2.097253	2.387583	0	0	2.387583	0	0	0	2.387583	12.07566	0	0	12.07566	0.026869	0	0	0.026869	0.02054	253.3057
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.000872	0.000995	0.000156	0	0.000437	0.000592	0.000384	0	0.003496	0.00388	0.002492	0.000669	0.000692	0.007733	0.000561	0	0.003827	0.004388	0.002492	0.000669	0.000692	0.008241	0.057411	0	0.026877	0.084288	0.000355	0	1.6E-05	0.000371	0.005251	3.958072
1166.053	1630.165	823.8186	0	483.2968	1307.115	2008.268	0	5808.385	7816.653	3672.067	1095.097	2710.678	15294.5	2910.313	0	6359.273	9269.586	3672.067	1095.097	2710.678	16747.43	112402.3	0	52958.54	165360.8	318.1166	0	10.15835	328.2749	2671.447	3501529
0	0.276622	14.3857	0	0	14.3857	5.955511	0	0	5.955511	0	0	0	5.955511	6.779953	0	0	6.779953	0	0	0	6.779953	47.13169	0	0	47.13169	0.865195	0	0	0.865195	0.825158	8156.555
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.476851	0.547702	0.089152	0	0.241057	0.33021	0.219931	0	1.902222	2.122153	1.191925	0.343041	0.339706	3.996825	0.320922	0	2.082694	2.403616	1.191925	0.343041	0.339706	4.278289	32.88567	0	14.59507	47.48074	0.202803	0	0.00926	0.212063	2.957722	2261.962
127.4013	253.6888	127.6433	0.630542	163.9816	292.2555	526.2633	97.26481	660.2119	1283.74	702.6705	201.263	1005.185	3192.858	754.1718	141.8105	722.6314	1618.614	702.6705	201.263	1005.185	3527.732	12901.15	773.9752	9332.652	23007.78	59.78084	0.253669	0.783189	60.81769	317.4625	648709.1
0	54.81233	486.0759	3.146059	0	489.2219	1164.342	15.73496	0	1180.077	0	0	0	1180.077	1325.526	17.9132	0	1343.439	0	0	0	1343.439	3614.849	130.4194	0	3745.268	29.23392	0.189213	0	29.42313	641.6561	277384.3
17.03558	30.79527	15.95883	0.091593	23.35898	39.4094	49.36559	13.7419	85.93919	149.0467	86.01824	23.76959	118.8902	377.7247	72.02437	20.05209	94.09248	186.1689	86.01824	23.76959	118.8902	414.847	1335.82	109.7544	1336.991	2782.565	9.44114	0.041316	0.11403	9.596486	45.99945	102360.5
0	16.63466	219.498	1.751529	0	221.2495	352.6359	5.49856	0	358.1344	0	0	0	358.1344	401.4525	6.259745	0	407.7122	0	0	0	407.7122	990.7619	45.57491	0	1036.337	13.2012	0.105342	0	13.30654	286.0947	125446.4
113.1323	436.8432	68.16904	0	5.447454	73.61649	2254.688	0	864.3651	3119.053	1209.498	1892.045	1964.446	8185.042	2648.541	0	939.1035	3587.645	1209.498	1892.045	1964.446	8653.634	24994.41	0	4371.337	29365.75	2.980586	0	0.293993	3.274579	12.95202	34928.15
1141.644	1648.182	800.5064	0	402.0025	1202.509	2460.372	0	6184.708	8645.08	3246.37	975.1478	2465.219	15331.82	3445.461	0	6770.538	10216	3246.37	975.1478	2465.219	16902.74	104322.4	0	44409.95	148732.4	264.794	0	8.911714	273.7057	1826.838	2919469
0	0.886866	69.60426	0	0	69.60426	19.09371	0	0	19.09371	0	0	0	19.09371	21.73692	0	0	21.73692	0	0	0	21.73692	273.8896	0	0	273.8896	4.186189	0	0	4.186189	3.084468	39464.96
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.783726	0.894487	0.140744	0	0.395061	0.535805	0.344904	0	3.135322	3.480226	2.092567	0.576088	0.594363	6.743244	0.503283	0	3.432783	3.936065	2.092567	0.576088	0.594363	7.199084	52.37302	0	24.06252	76.43554	0.322522	0	0.018994	0.341516	4.79699	3642.765
0.178393	10.15706	12.56028	0	0.152437	12.71272	51.54435	0	0.857989	52.40233	227.8194	69.37956	1.444026	351.0453	71.65265	0	0.937976	72.59063	227.8194	69.37956	1.444026	371.2336	1550.567	0	16.52711	1567.094	6.399636	0	0.001366	6.401002	15.28929	68275.98
0	0.652633	20.08059	0	0	20.08059	14.05081	0	0	14.05081	0	0	0	14.05081	15.99591	0	0	15.99591	0	0	0	15.99591	52.87594	0	0	52.87594	1.207701	0	0	1.207701	13.98514	11385.51
25.33269	65.15302	42.80586	0.134417	13.26045	56.20073	190.9814	21.15478	157.0305	369.1667	87.39192	27.13541	179.1326	662.8266	269.5497	30.6771	171.6163	471.843	87.39192	27.13541	179.1326	765.5029	4677.594	308.4612	2855.044	7841.1	18.09237	0.117263	0.219243	18.42887	45.47388	196570.7
0	40.67936	709.8758	36.72077	0	746.5965	817.0318	58.78354	0	875.8154	0	0	0	875.8154	930.1285	66.92059	0	997.0491	0	0	0	997.0491	2452.619	748.4142	0	3201.033	42.66634	2.207063	0	44.8734	535.5227	423313.2
0	30.08605	5.856425	0.646595	0	6.503021	0.266624	0.163247	0	0.42987	0	0	0	0.42987	19.04456	11.66046	0	30.70502	0	0	0	30.70502	83.09338	17.02682	0	100.1202	0	0	0	0	32.77673	3687.152
4.552467	11.42877	9.325168	0.029059	3.452478	12.80671	28.99639	4.240252	25.04879	58.28543	14.40691	4.263894	15.94044	92.89668	41.81961	6.179124	27.40672	75.40545	14.40691	4.263894	15.94044	110.0167	702.5326	32.81196	492.9313	1228.276	4.893799	0.021922	0.037652	4.953373	12.32652	52834.92
0	5.979498	51.48453	1.410416	0	52.89494	123.2677	5.469286	0	128.7369	0	0	0	128.7369	140.3308	6.226366	0	146.5572	0	0	0	146.5572	328.0313	46.04308	0	374.0743	3.094424	0.084772	0	3.179195	32.25195	29990.94
0	7.202731	2.123028	0.040742	0	2.163769	0.091775	0.011138	0	0.102913	0	0	0	0.102913	6.555343	0.795572	0	7.350915	0	0	0	7.350915	30.66153	0.90506	0	31.56659	0	0	0	0	11.7538	1226.837
0.985248	17.32688	7.22978	0.191329	0.52269	7.943799	65.89835	26.23102	6.359592	98.48896	9.701533	3.37884	7.691322	119.2607	89.35031	37.98105	6.94715	134.2785	9.701533	3.37884	7.691322	155.0502	1496.026	202.5721	126.6134	1825.212	1.112084	0.066331	0.006448	1.184864	5.347197	12638.29
0	0.815987	30.17378	2.550724	0	32.7245	16.14037	1.4276	0	17.56797	0	0	0	17.56797	18.37458	1.625214	0	19.99979	0	0	0	19.99979	43.31927	25.25097	0	68.57024	1.813563	0.153309	0	1.966872	16.50277	18554.49
0	170.2085	11.1231	1.090641	0	12.21374	2.150756	0.281187	0	2.431943	0	0	0	2.431943	153.6254	20.08481	0	173.7102	0	0	0	173.7102	524.7212	26.83995	0	551.5611	0	0	0	0	35.40156	6925.078
0.394921	0.69307	1.195343	0	0.337458	1.532801	0.996661	0	1.651841	2.648502	0.769345	0.23765	0.444529	4.100025	1.454325	0	1.808558	3.262883	0.769345	0.23765	0.444529	4.714407</										