

ENVIRONMENT | PLANNING | DEVELOPMENT SOLUTIONS, INC.

To: Meaghan Truman
From: Alex J. Garber
Date: 6/25/2021
Re: Air Quality, Energy, and Greenhouse Gas Impact Analysis for the PreZero Project

This technical memorandum presents an analysis of the Air Quality, Energy and Greenhouse Gas (GHG) impacts for the proposed PreZero project (project; proposed project), located at 4388 Serrano Drive in the City of Jurupa Valley. The project proposes the construction of a 6,560 square foot (SF) expansion of an existing 118,644 building, and operation of three buildings totaling 337,468 SF. The project would operate as a recycling and organics facility 24 hours a day, 7 days a week. Operations include the reception of materials from trucks; black soldier fly operation in Building 1; Material Receiving, Plastic Recycling, Organic Material Processing in Building 2; dry material recycling in Building 3; outbound shipment of waste residual on trucks to landfills; and outbound shipment of plastic pellets and protein meal to market buyers. The project site is shown in Figure 1, *Project Site*, and the project site plan is shown in Figure 2, *Project Site Plan*. To support the CEQA document for the proposed project, this report analyzes the proposed project's construction and operational impacts to air quality (emission of criteria pollutants) emissions using the California Emissions Estimator Model (CalEEMod) land use emission model (Version 2020.4.0). Construction is anticipated to last for approximately one and a half month. Table 1: *Construction Schedule*, Table 2: *Anticipated Construction Equipment Inventory*, and Table 3: *Construction Vehicle Trips* show the assumptions used for the construction of the project. These assumptions utilized CalEEMod defaults, except for the following changes:

- All Hours of Operation were changed to 8 hrs for a conservative analysis.

Table 1. Construction Schedule

Construction Activity	Start Date	End Date	Total Days
Building Construction	10/4/2021	11/19/2021	35
Architectural Coating	11/20/2022	11/23/2021	2

Table 2. Anticipated Construction Equipment Usage

Construction Activity	Equipment	Number	Hours per day	Horse- power	Load Factor
Building Construction	Cranes	1	8	231	0.29
	Forklifts	2	8	89	0.2
	Tractors/Loaders/Backhoes	2	8	97	0.37
Architectural Coating	Air Compressors	1	8	78	0.48

Table 3. Construction Vehicle Trips

Construction Activity	Worker Trip Number	Vendor Trip Number	Hauling Trip Number
Building Construction	3	1	0

Architectural Coating	1	0	0
-----------------------	---	---	---

Summary of Air Quality, Energy, and GHG Impacts

Air Quality

The project's maximum daily emissions (regional and local) for construction and operation of the project would not exceed SCAQMD's regional thresholds of significance. In addition, all construction activities would comply with applicable SCAQMD rules and regulations. Projects that do not exceed the regional thresholds are assumed to not have a significant impact on a project level and cumulative level. Therefore, the proposed project would result in less than significant impacts related to air quality emissions.

Energy

The project's energy consumption for construction does not have any unusual characteristics and is not less efficient compared with other similar construction sites. The operation of the project is also similar to other industrial projects and would comply with Title 24 as well as all applicable city business and energy codes and ordinances.

GHG

The proposed project's net GHG emissions of 4,751 MTCO₂e per year are below the SCAQMD significance threshold of 10,000 MTCO₂e per year for industrial projects. Therefore, the project would have a less than significant impact on GHG emissions.

Air Quality Impact Tables

Regional Emissions

The SCAQMD has adopted maximum daily emission thresholds¹ (pounds/day) for the criteria pollutants during construction and operation of a project. While incremental regional air quality impacts of an individual project are generally very small and difficult to measure, SCAQMDs regional maximum emission thresholds set standards to reduce the burden of SCAQMD to attain and maintain ambient air quality standards. The regional thresholds apply to the criteria pollutants mentioned above and can be found in Table 4: *Regional Construction Emissions Estimates* and Table 5: *Regional Operational Emissions Estimates* along with the CalEEMod project's emissions. These emission thresholds include the project emissions generated both from onsite sources (such as off-road construction equipment and fugitive dust) and offsite sources (vehicle travel leaving and arriving to the site). As can be seen in Table 1 and Table 2, the project would have less than significant regional air quality impacts.

Table 4. Regional Construction Emission Estimates

Construction Activity	Maximum Daily Regional Emissions (pounds/day)					
	ROG	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
2021						
Building Construction	1.1	11.1	9.0	0.0	0.6	0.6
Architectural Coating	30.7	2.0	2.5	0.0	0.1	0.1
Maximum Daily Emissions	30.7	11.1	9.0	0.0	0.6	0.6
SCAQMD Significance Thresholds	75	100	550	150	150	55
Threshold Exceeded?	No	No	No	No	No	No

¹ SCAQMD April 2019. Found on 9/3/2020 at <http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf>

Table 5. Regional Operational Emission Estimates

Operational Activity	Maximum Daily Regional Emissions (pounds/day)					
	ROG	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Area	7.7	0.0	0.0	0.0	0.0	0.0
Energy	0.3	2.9	2.5	0.0	0.2	0.2
Mobile	3.2	15.2	42.2	0.2	13.8	4.1
Offroad	0.5	4.2	4.6	0.0	0.3	0.3
Stationary	2.2	9.7	5.8	0.0	0.3	0.3
Total Project Operational Emissions	13.9	32	55.1	0.2	14.6	4.9
SCAQMD Significance Thresholds	55	55	550	150	150	55
Threshold Exceeded?	No	No	No	No	No	No

Local Emissions

Localized significance thresholds (LSTs) were also adopted by the SCAQMD due to project-related construction or operational air emissions having the potential to exceed the state and national air quality standards in the project vicinity, while not exceeding the regional emission significance thresholds adopted by the SCAQMD. These thresholds set the maximum rates of daily construction or operational emissions from a project site that would not exceed a national or State ambient air quality standard². The differences between regional thresholds and LSTs are as follows:

1. Regional thresholds include all sources of project construction and operational emissions generated from onsite and offsite emission sources whereas the LSTs only consider the emissions generated from onsite emission sources.
2. LSTs only apply to CO, NO_x, PM₁₀, and PM_{2.5}, while regional thresholds include both ROG and SO_x.
3. Regional Thresholds apply to emission sources located anywhere within the SCAQMD whereas the LSTs are location dependent and also depend on the size of the project, and emission location relative to the nearest sensitive receptor.

A sensitive receptor is defined as an individual who is most susceptible to negative health effects when exposed to air pollutants including children, the elderly, and adults with chronic health issues. Such receptors include residences, schools, elderly care centers, and hospitals. SCAQMD provides screening look up tables (Appendix C of the SCAQMD 2008 Final Localized Significance Threshold Methodology)³ for projects that disturb less than or equal to 5 acres in size in a day. These tables were created to easily determine if the daily emissions of NO_x, CO, PM₁₀, and PM_{2.5} from a project could result in a significant impact to the local air quality. To calculate the amount of acres graded, The SCAQMD Fact Sheet for Applying CalEEMod to Localized Significance Threshold⁴ was used to calculate the appropriate acres graded. The thresholds are determined by:

² SCAQMD 2008: Final Localized Significance Threshold Methodology.

<http://www.aqmd.gov/docs/defaultsource/ceqa/handbook/localized-significance-thresholds/final-lst-methodology-document.pdf>

³ SCAQMD 2008: Final Localized Significance Threshold Methodology Appendix C.

<http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/appendix-c-mass-rate-lst-look-up-tables.pdf?sfvrsn=2>

⁴ SCAQMD Fact Sheet for Applying CalEEMod to Localized Significance Thresholds.

<http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/caleemod-guidance.pdf?sfvrsn=2od-guidance.pdf> (aqmd.gov)

- Source receptor area (SRA), the geographic area within the SCAQMD that can act as both a source of emissions and a receptor of emission impacts (project is located within SRA 23, Metropolitan Riverside County),
- Size of the project,
- Distance to the nearest sensitive receptor.

The project would not require grading, therefore 1 acre was input for construction project acreage as that is the smallest and most conservative threshold. Distance to the nearest sensitive receptor also determines the emission thresholds. The sensitive receptors closest to the project include residences to the east of the project site, about 660 feet (200 meters) from the area where construction would occur and 150 feet east of the Project boundary. Therefore, the 200 meter thresholds were used. Table 6: *Localized Construction Emission Estimates* shows the thresholds and estimated maximum daily construction emissions for the proposed project. As seen in Table 7, the proposed project has a less than significant localized construction air quality impact.

The LSTs for Operation are determined by the size of the project site and the distance to the nearest sensitive receptor. The proposed project is 17.68 acres; above the maximum 5 acres. Therefore, the thresholds for 5 acres from Appendix C were used as it is a conservative threshold to apply to the project. Table 7: *Localized Operational Emission Estimates* shows the thresholds and estimated maximum daily operational vehicular emissions for the proposed project. As seen in Table 7, the proposed project has a less than significant localized operational air quality impact.

Table 6. Localized Construction Emission Estimates

Construction Activity	Maximum Daily Regional Emissions (pounds/day)			
	NO _x	CO	PM ₁₀	PM _{2.5}
2021				
Building Construction	11.0	8.8	0.6	0.5
Architectural Coating	2.0	2.4	0.1	0.1
Maximum Daily Emissions	11.0	8.8	0.6	0.5
SCAQMD Significance Thresholds	335	4,359	67	20
Threshold Exceeded?	No	No	No	No

Table 7. Localized Operational Emission Estimates

Operational Activity	Maximum Daily Regional Emissions (pounds/day)			
	NO _x	CO	PM ₁₀	PM _{2.5}
Area	0.0	0.0	0.0	0.0
Energy	2.9	2.5	0.2	0.2
Mobile	1.1	6.0	0.2	0.1
Offroad	4.2	4.6	0.3	0.2
Stationary	9.7	5.8	0.3	0.3
Total Project Operational Emissions	17.9	10.4	1.0	0.8
SCAQMD Significance Thresholds	270	1,577	4	2
Threshold Exceeded?	No	No	No	No

Energy

The State CEQA Guidelines do not have specific thresholds for energy consumption. Rather, the question in Appendix G: VI Energy (a) asks, “[Does the proposed project] Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation?”. Therefore, for the purpose of this analysis, a significant impact would occur if:

- The Project design and/or location encourages wasteful, inefficient, and unnecessary consumption of energy, especially fossil fuels such as coal, natural gas, and petroleum, as well as the use of fuel by vehicles anticipated to travel to and from the project.

The following assumptions were used to calculate the energy consumption of the proposed project:

- The project’s construction and operational energy consumption would be provided by Southern California Edison Company.
- Construction equipment fuel consumption derived from ARB Offroad2017 emission model
- Fuel Consumption from vehicle travel derived from ARB EMFAC2017 emission model
- Electrical and natural gas usage derived from the CalEEMod model

Construction*Electricity and Natural Gas Usage:*

Due to the project size and the fact that construction is temporary, the electricity used would be substantially less than that required for project operation and would have a negligible contribution to the project’s overall energy consumption. The electric power used would be for as-necessary lighting and electronic equipment such as computers inside temporary construction trailers. Natural gas is not anticipated to be needed for construction activities. Any consumption of natural gas would be minor and negligible in comparison to the operation of the proposed project.

Petroleum Fuel Usage:

The construction equipment associated with construction activities (off-road/heavy duty vehicles) would rely on diesel fuel as would vendor trucks involved in delivering building materials. Construction workers would travel to and from the project site throughout the duration of construction, and for a conservative analysis it is assumed that construction workers would travel in gasoline-powered passenger vehicles.

Table 8: *Construction Equipment Fuel Usage*, used the total fuel consumption and horsepower-hour data contained within the ARB OffRoad2017 emission model for specific types of diesel construction equipment. It should be noted that the total fuel consumption is a conservative analysis and would likely overstate the amount of fuel usage, as specific construction equipment is not expected to operate during the duration of the construction activity (i.e. crane). Table 9: *Estimate Project Vehicle Fuel Usage*, summarizes the project's construction vehicle fuel usage based on vehicle miles traveled and fuel usage factors contained in the ARB EMFAC2017. The trips included are worker vehicles and vendor vehicles. Table 10: *Total Construction Fuel Usage*, shows the overall fuel consumption for construction of the proposed project.

Table 8. Construction Equipment Fuel Usage

Activity	Equipment	Number	Hours per day	Horse- power	Load Factor	Days of Construction	Total Horsepower- hours	Fuel Rate (gal/hp-hr)	Fuel Use (gallons)
Building Construction	Cranes	1	8	231	0.29	35	18,757	0.014890137	279
	Forklifts	2	8	89	0.2	35	9,968	0.010445232	104
	Tractors/Loaders/Backhoes	2	8	97	0.37	35	20,098	0.019134328	385
Architectural Coating	Air Compressors	1	8	78	0.48	2	599	0.027625227	17
Total									785

Table 9. Estimated Construction Vehicle Fuel Usage

Construction Source	Number	VMT	Fuel Rate	Gallons of Diesel Fuel	Gallons of Gasoline Fuel
Vendor Trucks	1	242	7.31	33	0
Worker Vehicles	4	1,573	28.55	0	55
Total				33	55

Table 10. Total Construction Fuel Usage

Construction Source	Gallons of Diesel Fuel	Gallons of Gasoline Fuel
Construction Vehicles	33	55
Off-road Construction Equipment	785	0
Total	818	55

Operation

The operation of the proposed project would consume electricity, natural gas, and petroleum. The net energy consumption can be found in Table 11: *Project Annual Operational Energy Requirements*, below. Electricity and natural gas consumption were found in the Annual CalEEMod Operational Output Sheets. The gasoline and diesel consumption rates can be found in the fuel calculations.

Table 11. Project Annual Operational Energy Requirements

Operational Source	Energy Usage	
Electricity (Kilowatt-Hours)		
Project	3,347,680	
Natural Gas (Thousands British Thermal Units)		
Project	10,910,300	
Petroleum (gasoline) Consumption		
	Annual VMT	Gallons of Gasoline Fuel
Project	4,782,086	185,280
Diesel Consumption		
	Annual VMT	Gallons of Diesel Fuel ⁵
Project	1,277,526	117,955

Conclusion

The proposed Project has no unusual characteristics that would make the construction fuel and energy consumption associated with construction of the project less efficient compared with other similar construction sites throughout the state. The consumption would also be temporary and localized. Operation of the 337,468 SF recycling and organics facility would comply with all the energy efficiency requirements under Title 24 and all applicable county business and energy codes ordinances. Therefore, the construction and operation of the project would result in a less than significant impact for inefficient, wasteful, or unnecessary energy use, and no mitigation would be required.

Greenhouse Gas

SCAQMD has convened a Greenhouse Gas Emissions (GHG) CEQA Significance Threshold Working Group to help lead agencies determine significance thresholds for GHG emissions when SCAQMD is not the lead

⁵ Operation of forklifts, emergency generator, and emergency fire pump included.

agency. The last working group was held September 2010 (Meeting No. 15)⁶ and proposed a tiered approach, equivalent to the existing consistency determination requirements in CEQA Guidelines Sections 15064(h)(3), 15125(d), or 15152(a). The most recent proposal issued in Meeting No. 15 uses a tiered approach, Tier 1 to Tier 5, to evaluate potential GHG impacts from various uses. This assessment will apply the Tier 3: Numerical Screening Thresholds approach. Tier three consists of screening values, which the lead agency can choose, but must be consistent with all projects within its jurisdiction. A project's construction emissions are averaged over 30 years and are added to the project's operational emissions. If a project's emissions are below one of the following screening thresholds, then the project impact would be less than significant:

- Option 1: All land use types: 3,000 MT CO₂e per year
- Option 2: Based on land use type: residential: 3,500 MT CO₂e per year; commercial: 1,400 MT CO₂e per year; or mixed use: 3,000 MT CO₂e per year

Executive Order S-3-05's year 2050 goal is the basis of SCAQMD's draft Tier 3 screening level thresholds. The objective of the Executive Order is to contribute to capping worldwide CO₂ concentrations at 450 ppm, stabilizing global climate change. It should be noted that for projects where SCAQMD is the Lead Agency, the SCAQMD adopted a stationary source GHG significance threshold is 10,000 MTCO₂e per year for industrial projects. This approach is also widely used by the City of Jurupa Valley and various other cities within the South Coast Air Basin, where SCAQMD is a permitting agency. Therefore, the threshold of 10,000 MT CO₂e per year is utilized herein to determine the significance of GHG impacts. The SCAQMD significance thresholds also evaluate construction emissions by amortizing them over an expected project life of 30 years.

The project's construction GHG emissions are shown in Table 12: *Project Construction GHG Emissions*, and the overall construction and operational emissions are shown in Table 13: *Project Total GHG Emissions*. These emissions were calculated using the CalEEMod Model. The Construction emissions are amortized over 30 years and added to the project's operational emissions. As shown in Table 13, the total project GHG emissions are 4,751 MT CO₂e per year, which is below the 10,000 MT CO₂e per year threshold. Therefore, the project would have a less than significant GHG impact.

Table 12. Project Construction GHG Emissions

Activity	Annual GHG Emissions (MTCO ₂ e)
2021	25
Total Construction Emissions	25
Total Emissions Amortized Over 30 Years	1

Table 13. Project Total GHG Emissions

Activity	Annual GHG Emissions (MTCO ₂ e)
Project Operational Emissions	
Area	0
Energy	1,182
Mobile	2,940
Offroad	71
Stationary	52
Waste	211
Water	294
Subtotal	4,750

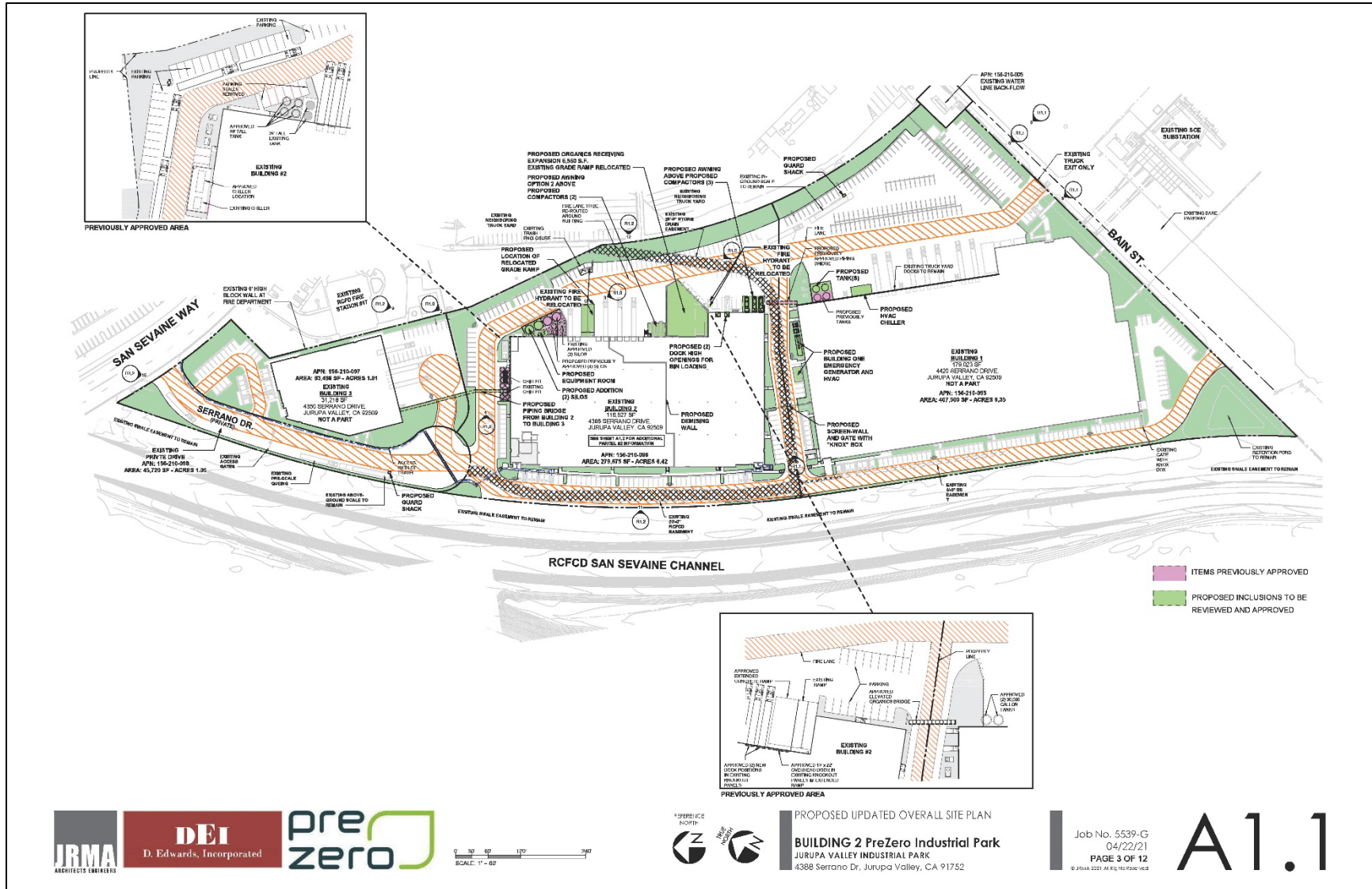
⁶ SCAQMD 2010. Minutes of the GHG CEQA Significance Threshold Stakeholder Working Group #15. Referenced on 9/21/2020 at: [http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-\(ghg\)-ceqa-significance-thresholds/year-2008-2009/ghg-meeting-15/ghg-meeting-15-minutes.pdf](http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-(ghg)-ceqa-significance-thresholds/year-2008-2009/ghg-meeting-15/ghg-meeting-15-minutes.pdf)

Amortized Construction Emissions	1
Total Emissions	4,751
Significance Threshold	10,000
Threshold Exceeded?	No

Figure 1: Project Site



Figure 2: Project Site Plan



CalEEMod Sheets Construction

PreZero Expansion Construction - Riverside-South Coast County, Annual

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

PreZero Expansion Construction

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Manufacturing	6.56	1000sqft	0.15	6,560.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Construction Phase - Shortened Building Construction and Architectural Coating time given the size of the project.

Off-road Equipment - Assumed 8hr work day.

Off-road Equipment - Assumed 8hr work day.

Vehicle Trips - Construction analysis only

Land Use -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	2.00
tblConstructionPhase	NumDays	100.00	35.00
tblConstructionPhase	PhaseEndDate	11/8/2021	11/23/2021
tblConstructionPhase	PhaseEndDate	11/1/2021	11/19/2021

PreZero Expansion Construction - Riverside-South Coast County, Annual

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

tblConstructionPhase	PhaseStartDate	11/2/2021	11/20/2021
tblConstructionPhase	PhaseStartDate	6/15/2021	10/4/2021
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblVehicleTrips	ST_TR	6.42	0.00
tblVehicleTrips	SU_TR	5.09	0.00
tblVehicleTrips	WD_TR	3.93	0.00

2.0 Emissions Summary

PreZero Expansion Construction - Riverside-South Coast County, 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	0.0493	0.1956	0.1594	2.8000e-004	7.0000e-004	0.0104	0.0111	1.9000e-004	9.6100e-003	9.8000e-003	0.0000	24.2559	24.2559	7.5200e-003	6.0000e-005	24.4620
Maximum	0.0493	0.1956	0.1594	2.8000e-004	7.0000e-004	0.0104	0.0111	1.9000e-004	9.6100e-003	9.8000e-003	0.0000	24.2559	24.2559	7.5200e-003	6.0000e-005	24.4620

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	0.0493	0.1956	0.1594	2.8000e-004	7.0000e-004	0.0104	0.0111	1.9000e-004	9.6100e-003	9.8000e-003	0.0000	24.2559	24.2559	7.5200e-003	6.0000e-005	24.4620
Maximum	0.0493	0.1956	0.1594	2.8000e-004	7.0000e-004	0.0104	0.0111	1.9000e-004	9.6100e-003	9.8000e-003	0.0000	24.2559	24.2559	7.5200e-003	6.0000e-005	24.4620

	ROG	NOx	CO	SO2	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)
---------	------------	----------	--	--

PreZero Expansion Construction - Riverside-South Coast County, Annual

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

Highest

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0268	0.0000	8.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.6000e-004	1.6000e-004	0.0000	0.0000	1.7000e-004
Energy	1.1400e-003	0.0104	8.7300e-003	6.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004	0.0000	22.8585	22.8585	1.1900e-003	3.3000e-004	22.9852
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	1.6503	0.0000	1.6503	0.0975	0.0000	4.0886
Water						0.0000	0.0000		0.0000	0.0000	0.4813	3.5031	3.9844	0.0497	1.2000e-003	5.5860
Total	0.0279	0.0104	8.8100e-003	6.0000e-005	0.0000	7.9000e-004	7.9000e-004	0.0000	7.9000e-004	7.9000e-004	2.1316	26.3617	28.4933	0.1485	1.5300e-003	32.6600

PreZero Expansion Construction - Riverside-South Coast County, 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	0.0268	0.0000	8.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.6000e-004	1.6000e-004	0.0000	0.0000	1.7000e-004
Energy	1.1400e-003	0.0104	8.7300e-003	6.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004	0.0000	22.8585	22.8585	1.1900e-003	3.3000e-004	22.9852
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	1.6503	0.0000	1.6503	0.0975	0.0000	4.0886
Water						0.0000	0.0000		0.0000	0.0000	0.4813	3.5031	3.9844	0.0497	1.2000e-003	5.5860
Total	0.0279	0.0104	8.8100e-003	6.0000e-005	0.0000	7.9000e-004	7.9000e-004	0.0000	7.9000e-004	7.9000e-004	2.1316	26.3617	28.4933	0.1485	1.5300e-003	32.6600

	ROG	NOx	CO	SO2	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	Building Construction	Building Construction	10/4/2021	11/19/2021	5	35	
2	Architectural Coating	Architectural Coating	11/20/2021	11/23/2021	5	2	

PreZero Expansion Construction - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Acres of Grading (Site Preparation Phase): 0****Acres of Grading (Grading Phase): 0****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 9,840; Non-Residential Outdoor: 3,280; Striped Parking Area: 0
(Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	8.00	78	0.48
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	8.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	5	3.00	1.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

PreZero Expansion Construction - Riverside-South Coast County, Annual

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

3.2 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	0.0183	0.1925	0.1547	2.6000e-004		0.0103	0.0103		9.4600e-003	9.4600e-003	0.0000	23.1246	23.1246	7.4800e-003	0.0000	23.3116
Total	0.0183	0.1925	0.1547	2.6000e-004		0.0103	0.0103		9.4600e-003	9.4600e-003	0.0000	23.1246	23.1246	7.4800e-003	0.0000	23.3116

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	4.0000e-005	9.5000e-004	3.0000e-004	0.0000	1.1000e-004	2.0000e-005	1.3000e-004	3.0000e-005	2.0000e-005	5.0000e-005	0.0000	0.3141	0.3141	0.0000	5.0000e-005	0.3281
Worker	2.0000e-004	1.6000e-004	1.9500e-003	1.0000e-005	5.8000e-004	0.0000	5.8000e-004	1.5000e-004	0.0000	1.6000e-004	0.0000	0.4679	0.4679	1.0000e-005	1.0000e-005	0.4723
Total	2.4000e-004	1.1100e-003	2.2500e-003	1.0000e-005	6.9000e-004	2.0000e-005	7.1000e-004	1.8000e-004	2.0000e-005	2.1000e-004	0.0000	0.7820	0.7820	1.0000e-005	6.0000e-005	0.8004

PreZero Expansion Construction - Riverside-South Coast County, Annual

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

3.2 Building Construction - 2021

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	0.0183	0.1925	0.1547	2.6000e-004		0.0103	0.0103		9.4600e-003	9.4600e-003	0.0000	23.1246	23.1246	7.4800e-003	0.0000	23.3116
Total	0.0183	0.1925	0.1547	2.6000e-004		0.0103	0.0103		9.4600e-003	9.4600e-003	0.0000	23.1246	23.1246	7.4800e-003	0.0000	23.3116

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	4.0000e-005	9.5000e-004	3.0000e-004	0.0000	1.1000e-004	2.0000e-005	1.3000e-004	3.0000e-005	2.0000e-005	5.0000e-005	0.0000	0.3141	0.3141	0.0000	5.0000e-005	0.3281
Worker	2.0000e-004	1.6000e-004	1.9500e-003	1.0000e-005	5.8000e-004	0.0000	5.8000e-004	1.5000e-004	0.0000	1.6000e-004	0.0000	0.4679	0.4679	1.0000e-005	1.0000e-005	0.4723
Total	2.4000e-004	1.1100e-003	2.2500e-003	1.0000e-005	6.9000e-004	2.0000e-005	7.1000e-004	1.8000e-004	2.0000e-005	2.1000e-004	0.0000	0.7820	0.7820	1.0000e-005	6.0000e-005	0.8004

PreZero Expansion Construction - Riverside-South Coast County, Annual

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

3.3 Architectural Coating - 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					
Archit. Coating	0.0304					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9000e-004	2.0400e-003	2.4200e-003	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	0.3404	0.3404	2.0000e-005	0.0000	0.3410
Total	0.0307	2.0400e-003	2.4200e-003	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	0.3404	0.3404	2.0000e-005	0.0000	0.3410

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	0.0000	0.0000	4.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	8.9100e-003	8.9100e-003	0.0000	0.0000	9.0000e-003
Total	0.0000	0.0000	4.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	8.9100e-003	8.9100e-003	0.0000	0.0000	9.0000e-003

PreZero Expansion Construction - Riverside-South Coast County, Annual

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

3.3 Architectural Coating - 2021

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	0.0304					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9000e-004	2.0400e-003	2.4200e-003	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	0.3404	0.3404	2.0000e-005	0.0000	0.3410
Total	0.0307	2.0400e-003	2.4200e-003	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	0.3404	0.3404	2.0000e-005	0.0000	0.3410

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	0.0000	0.0000	4.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	8.9100e-003	8.9100e-003	0.0000	0.0000	9.0000e-003
Total	0.0000	0.0000	4.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	8.9100e-003	8.9100e-003	0.0000	0.0000	9.0000e-003

PreZero Expansion Construction - Riverside-South Coast County, Annual

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

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

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Manufacturing	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Manufacturing	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Manufacturing	0.531022	0.055789	0.171983	0.143721	0.027315	0.007422	0.011813	0.018850	0.000630	0.000321	0.024273	0.001102	0.005759

PreZero Expansion Construction - Riverside-South Coast County, Annual

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	11.5408	11.5408	9.7000e-004	1.2000e-004	11.6003
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	11.5408	11.5408	9.7000e-004	1.2000e-004	11.6003
NaturalGas Mitigated	1.1400e-003	0.0104	8.7300e-003	6.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004	0.0000	11.3177	11.3177	2.2000e-004	2.1000e-004	11.3849
NaturalGas Unmitigated	1.1400e-003	0.0104	8.7300e-003	6.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004	0.0000	11.3177	11.3177	2.2000e-004	2.1000e-004	11.3849

PreZero Expansion Construction - Riverside-South Coast County, 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					
Manufacturing	212085	1.1400e-003	0.0104	8.7300e-003	6.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004	0.0000	11.3177	11.3177	2.2000e-004	2.1000e-004	11.3849
Total		1.1400e-003	0.0104	8.7300e-003	6.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004	0.0000	11.3177	11.3177	2.2000e-004	2.1000e-004	11.3849

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					
Manufacturing	212085	1.1400e-003	0.0104	8.7300e-003	6.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004	0.0000	11.3177	11.3177	2.2000e-004	2.1000e-004	11.3849
Total		1.1400e-003	0.0104	8.7300e-003	6.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004	0.0000	11.3177	11.3177	2.2000e-004	2.1000e-004	11.3849

PreZero Expansion Construction - Riverside-South Coast County, 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			
Manufacturing	65075.2	11.5408	9.7000e-004	1.2000e-004	11.6003
Total		11.5408	9.7000e-004	1.2000e-004	11.6003

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Manufacturing	65075.2	11.5408	9.7000e-004	1.2000e-004	11.6003
Total		11.5408	9.7000e-004	1.2000e-004	11.6003

6.0 Area Detail**6.1 Mitigation Measures Area**

PreZero Expansion Construction - Riverside-South Coast County, 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	0.0268	0.0000	8.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.6000e-004	1.6000e-004	0.0000	0.0000	1.7000e-004
Unmitigated	0.0268	0.0000	8.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.6000e-004	1.6000e-004	0.0000	0.0000	1.7000e-004

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	3.0400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0237					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	8.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.6000e-004	1.6000e-004	0.0000	0.0000	1.7000e-004
Total	0.0268	0.0000	8.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.6000e-004	1.6000e-004	0.0000	0.0000	1.7000e-004

PreZero Expansion Construction - Riverside-South Coast County, 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	3.0400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0237					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	8.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.6000e-004	1.6000e-004	0.0000	0.0000	1.7000e-004
Total	0.0268	0.0000	8.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.6000e-004	1.6000e-004	0.0000	0.0000	1.7000e-004

7.0 Water Detail**7.1 Mitigation Measures Water**

PreZero Expansion Construction - Riverside-South Coast County, 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	3.9844	0.0497	1.2000e-003	5.5860
Unmitigated	3.9844	0.0497	1.2000e-003	5.5860

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Manufacturing	1.517 / 0	3.9844	0.0497	1.2000e-003	5.5860
Total		3.9844	0.0497	1.2000e-003	5.5860

PreZero Expansion Construction - Riverside-South Coast County, 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			
Manufacturing	1.517 / 0	3.9844	0.0497	1.2000e-003	5.5860
Total		3.9844	0.0497	1.2000e-003	5.5860

8.0 Waste Detail**8.1 Mitigation Measures Waste****Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1.6503	0.0975	0.0000	4.0886
Unmitigated	1.6503	0.0975	0.0000	4.0886

PreZero Expansion Construction - Riverside-South Coast County, 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****Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Manufacturing	8.13	1.6503	0.0975	0.0000	4.0886
Total		1.6503	0.0975	0.0000	4.0886

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Manufacturing	8.13	1.6503	0.0975	0.0000	4.0886
Total		1.6503	0.0975	0.0000	4.0886

9.0 Operational Offroad

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

PreZero Expansion Construction - Riverside-South Coast County, Annual

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

PreZero Expansion Construction - Riverside-South Coast County, Summer

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

PreZero Expansion Construction

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Manufacturing	6.56	1000sqft	0.15	6,560.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Construction Phase - Shortened Building Construction and Architectural Coating time given the size of the project.

Off-road Equipment - Assumed 8hr work day.

Off-road Equipment - Assumed 8hr work day.

Vehicle Trips - Construction analysis only

Land Use -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	2.00
tblConstructionPhase	NumDays	100.00	35.00
tblConstructionPhase	PhaseEndDate	11/8/2021	11/23/2021
tblConstructionPhase	PhaseEndDate	11/1/2021	11/19/2021

PreZero Expansion Construction - Riverside-South Coast County, Summer

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

tblConstructionPhase	PhaseStartDate	11/2/2021	11/20/2021
tblConstructionPhase	PhaseStartDate	6/15/2021	10/4/2021
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblVehicleTrips	ST_TR	6.42	0.00
tblVehicleTrips	SU_TR	5.09	0.00
tblVehicleTrips	WD_TR	3.93	0.00

2.0 Emissions Summary

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

Unmitigated Construction

Mitigated Construction

[illegible]

PreZero Expansion Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.1466	1.0000e-005	6.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.4400e-003	1.4400e-003	0.0000		1.5300e-003
Energy	6.2700e-003	0.0570	0.0479	3.4000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003		68.3593	68.3593	1.3100e-003	1.2500e-003	68.7656
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1529	0.0570	0.0485	3.4000e-004	0.0000	4.3300e-003	4.3300e-003	0.0000	4.3300e-003	4.3300e-003		68.3608	68.3608	1.3100e-003	1.2500e-003	68.7671

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.1466	1.0000e-005	6.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.4400e-003	1.4400e-003	0.0000		1.5300e-003
Energy	6.2700e-003	0.0570	0.0479	3.4000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003		68.3593	68.3593	1.3100e-003	1.2500e-003	68.7656
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1529	0.0570	0.0485	3.4000e-004	0.0000	4.3300e-003	4.3300e-003	0.0000	4.3300e-003	4.3300e-003		68.3608	68.3608	1.3100e-003	1.2500e-003	68.7671

PreZero Expansion Construction - Riverside-South Coast County, Summer

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	10/4/2021	11/19/2021	5	35	
2	Architectural Coating	Architectural Coating	11/20/2021	11/23/2021	5	2	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 9,840; Non-Residential Outdoor: 3,280; Striped Parking Area: 0
(Architectural Coating – sqft)OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	8.00	78	0.48
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	8.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	5	3.00	1.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

PreZero Expansion Construction - Riverside-South Coast County, Summer

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

Architectural Coating	1	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
-----------------------	---	------	------	------	-------	------	-------	--------	---------	------

3.1 Mitigation Measures Construction

3.2 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	lb/day										lb/day					
Off-Road	1.0461	10.9992	8.8390	0.0150		0.5878	0.5878		0.5408	0.5408		1,456.6006	1,456.6006	0.4711		1,468.3779
Total	1.0461	10.9992	8.8390	0.0150		0.5878	0.5878		0.5408	0.5408		1,456.6006	1,456.6006	0.4711		1,468.3779

PreZero Expansion Construction - Riverside-South Coast County, Summer

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

3.2 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2700e-003	0.0515	0.0167	1.9000e-004	6.4100e-003	1.0600e-003	7.4700e-003	1.8400e-003	1.0200e-003	2.8600e-003		19.7803	19.7803	2.3000e-004	2.9400e-003	20.6624
Worker	0.0128	8.7000e-003	0.1307	3.1000e-004	0.0335	1.8000e-004	0.0337	8.8900e-003	1.6000e-004	9.0600e-003		31.8007	31.8007	8.6000e-004	8.3000e-004	32.0694
Total	0.0151	0.0602	0.1474	5.0000e-004	0.0399	1.2400e-003	0.0412	0.0107	1.1800e-003	0.0119		51.5810	51.5810	1.0900e-003	3.7700e-003	52.7318

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0461	10.9992	8.8390	0.0150		0.5878	0.5878		0.5408	0.5408	0.0000	1,456.6006	1,456.6006	0.4711		1,468.3779
Total	1.0461	10.9992	8.8390	0.0150		0.5878	0.5878		0.5408	0.5408	0.0000	1,456.6006	1,456.6006	0.4711		1,468.3779

PreZero Expansion Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.2 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2700e-003	0.0515	0.0167	1.9000e-004	6.4100e-003	1.0600e-003	7.4700e-003	1.8400e-003	1.0200e-003	2.8600e-003		19.7803	19.7803	2.3000e-004	2.9400e-003	20.6624
Worker	0.0128	8.7000e-003	0.1307	3.1000e-004	0.0335	1.8000e-004	0.0337	8.8900e-003	1.6000e-004	9.0600e-003		31.8007	31.8007	8.6000e-004	8.3000e-004	32.0694
Total	0.0151	0.0602	0.1474	5.0000e-004	0.0399	1.2400e-003	0.0412	0.0107	1.1800e-003	0.0119		51.5810	51.5810	1.0900e-003	3.7700e-003	52.7318

3.3 Architectural Coating - 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	lb/day										lb/day					
Archit. Coating	30.4056					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2919	2.0358	2.4234	3.9600e-003		0.1255	0.1255		0.1255	0.1255		375.2641	375.2641	0.0258		375.9079
Total	30.6975	2.0358	2.4234	3.9600e-003		0.1255	0.1255		0.1255	0.1255		375.2641	375.2641	0.0258		375.9079

PreZero Expansion Construction - Riverside-South Coast County, Summer

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

3.3 Architectural Coating - 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2600e-003	2.9000e-003	0.0436	1.0000e-004	0.0112	6.0000e-005	0.0112	2.9600e-003	5.0000e-005	3.0200e-003		10.6002	10.6002	2.9000e-004	2.8000e-004	10.6898
Total	4.2600e-003	2.9000e-003	0.0436	1.0000e-004	0.0112	6.0000e-005	0.0112	2.9600e-003	5.0000e-005	3.0200e-003		10.6002	10.6002	2.9000e-004	2.8000e-004	10.6898

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	30.4056					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2919	2.0358	2.4234	3.9600e-003		0.1255	0.1255		0.1255	0.1255	0.0000	375.2641	375.2641	0.0258		375.9079
Total	30.6975	2.0358	2.4234	3.9600e-003		0.1255	0.1255		0.1255	0.1255	0.0000	375.2641	375.2641	0.0258		375.9079

PreZero Expansion Construction - Riverside-South Coast County, Summer

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

3.3 Architectural Coating - 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2600e-003	2.9000e-003	0.0436	1.0000e-004	0.0112	6.0000e-005	0.0112	2.9600e-003	5.0000e-005	3.0200e-003		10.6002	10.6002	2.9000e-004	2.8000e-004	10.6898
Total	4.2600e-003	2.9000e-003	0.0436	1.0000e-004	0.0112	6.0000e-005	0.0112	2.9600e-003	5.0000e-005	3.0200e-003		10.6002	10.6002	2.9000e-004	2.8000e-004	10.6898

PreZero Expansion Construction - Riverside-South Coast County, Summer

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Manufacturing	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Manufacturing	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Manufacturing	0.531022	0.055789	0.171983	0.143721	0.027315	0.007422	0.011813	0.018850	0.000630	0.000321	0.024273	0.001102	0.005759

PreZero Expansion Construction - Riverside-South Coast County, Summer

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	6.2700e-003	0.0570	0.0479	3.4000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003		68.3593	68.3593	1.3100e-003	1.2500e-003	68.7656
NaturalGas Unmitigated	6.2700e-003	0.0570	0.0479	3.4000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003		68.3593	68.3593	1.3100e-003	1.2500e-003	68.7656

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Manufacturing	581.054	6.2700e-003	0.0570	0.0479	3.4000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003		68.3593	68.3593	1.3100e-003	1.2500e-003	68.7656
Total		6.2700e-003	0.0570	0.0479	3.4000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003		68.3593	68.3593	1.3100e-003	1.2500e-003	68.7656

PreZero Expansion Construction - Riverside-South Coast County, Summer

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Manufacturing	0.581054	6.2700e-003	0.0570	0.0479	3.4000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003		68.3593	68.3593	1.3100e-003	1.2500e-003	68.7656
Total		6.2700e-003	0.0570	0.0479	3.4000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003		68.3593	68.3593	1.3100e-003	1.2500e-003	68.7656

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1466	1.0000e-005	6.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.4400e-003	1.4400e-003	0.0000		1.5300e-003
Unmitigated	0.1466	1.0000e-005	6.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.4400e-003	1.4400e-003	0.0000		1.5300e-003

PreZero Expansion Construction - Riverside-South Coast County, Summer

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

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0167					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1299					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0000e-005	1.0000e-005	6.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.4400e-003	1.4400e-003	0.0000		1.5300e-003
Total	0.1466	1.0000e-005	6.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.4400e-003	1.4400e-003	0.0000		1.5300e-003

PreZero Expansion Construction - Riverside-South Coast County, Summer

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0167					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1299					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0000e-005	1.0000e-005	6.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.4400e-003	1.4400e-003	0.0000		1.5300e-003
Total	0.1466	1.0000e-005	6.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.4400e-003	1.4400e-003	0.0000		1.5300e-003

7.0 Water Detail

7.1 Mitigation Measures Water

PreZero Expansion Construction - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste**9.0 Operational Offroad**

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

PreZero Expansion Construction - Riverside-South Coast County, Winter

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

PreZero Expansion Construction

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Manufacturing	6.56	1000sqft	0.15	6,560.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Construction Phase - Shortened Building Construction and Architectural Coating time given the size of the project.

Off-road Equipment - Assumed 8hr work day.

Off-road Equipment - Assumed 8hr work day.

Vehicle Trips - Construction analysis only

Land Use -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	2.00
tblConstructionPhase	NumDays	100.00	35.00
tblConstructionPhase	PhaseEndDate	11/8/2021	11/23/2021
tblConstructionPhase	PhaseEndDate	11/1/2021	11/19/2021

PreZero Expansion Construction - Riverside-South Coast County, Winter

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

tblConstructionPhase	PhaseStartDate	11/2/2021	11/20/2021
tblConstructionPhase	PhaseStartDate	6/15/2021	10/4/2021
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblVehicleTrips	ST_TR	6.42	0.00
tblVehicleTrips	SU_TR	5.09	0.00
tblVehicleTrips	WD_TR	3.93	0.00

2.0 Emissions Summary

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

Unmitigated Construction

Mitigated Construction

[illegible]

PreZero Expansion Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.1466	1.0000e-005	6.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.4400e-003	1.4400e-003	0.0000		1.5300e-003
Energy	6.2700e-003	0.0570	0.0479	3.4000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003		68.3593	68.3593	1.3100e-003	1.2500e-003	68.7656
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1529	0.0570	0.0485	3.4000e-004	0.0000	4.3300e-003	4.3300e-003	0.0000	4.3300e-003	4.3300e-003		68.3608	68.3608	1.3100e-003	1.2500e-003	68.7671

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.1466	1.0000e-005	6.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.4400e-003	1.4400e-003	0.0000		1.5300e-003
Energy	6.2700e-003	0.0570	0.0479	3.4000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003		68.3593	68.3593	1.3100e-003	1.2500e-003	68.7656
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1529	0.0570	0.0485	3.4000e-004	0.0000	4.3300e-003	4.3300e-003	0.0000	4.3300e-003	4.3300e-003		68.3608	68.3608	1.3100e-003	1.2500e-003	68.7671

PreZero Expansion Construction - Riverside-South Coast County, Winter

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

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

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	10/4/2021	11/19/2021	5	35	
2	Architectural Coating	Architectural Coating	11/20/2021	11/23/2021	5	2	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 0****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 9,840; Non-Residential Outdoor: 3,280; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	8.00	78	0.48
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	8.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	5	3.00	1.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

PreZero Expansion Construction - Riverside-South Coast County, Winter

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

Architectural Coating	1	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
-----------------------	---	------	------	------	-------	------	-------	--------	---------	------

3.1 Mitigation Measures Construction**3.2 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	lb/day										lb/day					
Off-Road	1.0461	10.9992	8.8390	0.0150		0.5878	0.5878		0.5408	0.5408		1,456.6006	1,456.6006	0.4711		1,468.3779
Total	1.0461	10.9992	8.8390	0.0150		0.5878	0.5878		0.5408	0.5408		1,456.6006	1,456.6006	0.4711		1,468.3779

PreZero Expansion Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.2 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2000e-003	0.0542	0.0173	1.9000e-004	6.4100e-003	1.0700e-003	7.4700e-003	1.8400e-003	1.0200e-003	2.8700e-003		19.7934	19.7934	2.2000e-004	2.9500e-003	20.6767
Worker	0.0119	9.0400e-003	0.1057	2.8000e-004	0.0335	1.8000e-004	0.0337	8.8900e-003	1.6000e-004	9.0600e-003		28.7948	28.7948	8.5000e-004	8.5000e-004	29.0693
Total	0.0141	0.0632	0.1230	4.7000e-004	0.0399	1.2500e-003	0.0412	0.0107	1.1800e-003	0.0119		48.5882	48.5882	1.0700e-003	3.8000e-003	49.7459

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0461	10.9992	8.8390	0.0150		0.5878	0.5878		0.5408	0.5408	0.0000	1,456.6006	1,456.6006	0.4711		1,468.3779
Total	1.0461	10.9992	8.8390	0.0150		0.5878	0.5878		0.5408	0.5408	0.0000	1,456.6006	1,456.6006	0.4711		1,468.3779

PreZero Expansion Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.2 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2000e-003	0.0542	0.0173	1.9000e-004	6.4100e-003	1.0700e-003	7.4700e-003	1.8400e-003	1.0200e-003	2.8700e-003		19.7934	19.7934	2.2000e-004	2.9500e-003	20.6767
Worker	0.0119	9.0400e-003	0.1057	2.8000e-004	0.0335	1.8000e-004	0.0337	8.8900e-003	1.6000e-004	9.0600e-003		28.7948	28.7948	8.5000e-004	8.5000e-004	29.0693
Total	0.0141	0.0632	0.1230	4.7000e-004	0.0399	1.2500e-003	0.0412	0.0107	1.1800e-003	0.0119		48.5882	48.5882	1.0700e-003	3.8000e-003	49.7459

3.3 Architectural Coating - 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	lb/day										lb/day					
Archit. Coating	30.4056					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2919	2.0358	2.4234	3.9600e-003		0.1255	0.1255		0.1255	0.1255		375.2641	375.2641	0.0258		375.9079
Total	30.6975	2.0358	2.4234	3.9600e-003		0.1255	0.1255		0.1255	0.1255		375.2641	375.2641	0.0258		375.9079

PreZero Expansion Construction - Riverside-South Coast County, Winter

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

3.3 Architectural Coating - 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9700e-003	3.0100e-003	0.0352	9.0000e-005	0.0112	6.0000e-005	0.0112	2.9600e-003	5.0000e-005	3.0200e-003		9.5983	9.5983	2.8000e-004	2.8000e-004	9.6898
Total	3.9700e-003	3.0100e-003	0.0352	9.0000e-005	0.0112	6.0000e-005	0.0112	2.9600e-003	5.0000e-005	3.0200e-003		9.5983	9.5983	2.8000e-004	2.8000e-004	9.6898

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	30.4056					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2919	2.0358	2.4234	3.9600e-003		0.1255	0.1255		0.1255	0.1255	0.0000	375.2641	375.2641	0.0258		375.9079
Total	30.6975	2.0358	2.4234	3.9600e-003		0.1255	0.1255		0.1255	0.1255	0.0000	375.2641	375.2641	0.0258		375.9079

PreZero Expansion Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.3 Architectural Coating - 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9700e-003	3.0100e-003	0.0352	9.0000e-005	0.0112	6.0000e-005	0.0112	2.9600e-003	5.0000e-005	3.0200e-003		9.5983	9.5983	2.8000e-004	2.8000e-004	9.6898
Total	3.9700e-003	3.0100e-003	0.0352	9.0000e-005	0.0112	6.0000e-005	0.0112	2.9600e-003	5.0000e-005	3.0200e-003		9.5983	9.5983	2.8000e-004	2.8000e-004	9.6898

PreZero Expansion Construction - Riverside-South Coast County, Winter

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Manufacturing	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Manufacturing	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Manufacturing	0.531022	0.055789	0.171983	0.143721	0.027315	0.007422	0.011813	0.018850	0.000630	0.000321	0.024273	0.001102	0.005759

PreZero Expansion Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.0 Energy Detail**

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	6.2700e-003	0.0570	0.0479	3.4000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003		68.3593	68.3593	1.3100e-003	1.2500e-003	68.7656
NaturalGas Unmitigated	6.2700e-003	0.0570	0.0479	3.4000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003		68.3593	68.3593	1.3100e-003	1.2500e-003	68.7656

5.2 Energy by Land Use - NaturalGas**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Manufacturing	581.054	6.2700e-003	0.0570	0.0479	3.4000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003		68.3593	68.3593	1.3100e-003	1.2500e-003	68.7656
Total		6.2700e-003	0.0570	0.0479	3.4000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003		68.3593	68.3593	1.3100e-003	1.2500e-003	68.7656

PreZero Expansion Construction - Riverside-South Coast County, Winter

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Manufacturing	0.581054	6.2700e-003	0.0570	0.0479	3.4000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003		68.3593	68.3593	1.3100e-003	1.2500e-003	68.7656
Total		6.2700e-003	0.0570	0.0479	3.4000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003		68.3593	68.3593	1.3100e-003	1.2500e-003	68.7656

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1466	1.0000e-005	6.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.4400e-003	1.4400e-003	0.0000		1.5300e-003
Unmitigated	0.1466	1.0000e-005	6.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.4400e-003	1.4400e-003	0.0000		1.5300e-003

PreZero Expansion Construction - Riverside-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0167					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1299					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0000e-005	1.0000e-005	6.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.4400e-003	1.4400e-003	0.0000		1.5300e-003
Total	0.1466	1.0000e-005	6.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.4400e-003	1.4400e-003	0.0000		1.5300e-003

PreZero Expansion Construction - Riverside-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0167					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1299					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0000e-005	1.0000e-005	6.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.4400e-003	1.4400e-003	0.0000		1.5300e-003
Total	0.1466	1.0000e-005	6.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.4400e-003	1.4400e-003	0.0000		1.5300e-003

7.0 Water Detail**7.1 Mitigation Measures Water**

PreZero Expansion Construction - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste**9.0 Operational Offroad**

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

CalEEMod Sheets Operation (No Trucks)

PreZero Operation (No Trucks) - Riverside-South Coast County, Annual

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

PreZero Operation (No Trucks)

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Manufacturing	337.47	1000sqft	7.75	337,468.00	0
City Park	2.77	Acre	2.77	120,661.20	0
Other Asphalt Surfaces	7.16	Acre	7.16	311,889.60	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Operational Analysis only.

Off-road Equipment - Operational Analysis only

Grading -

Vehicle Trips - Used trip generation from EPD Solutions (2021)

Fleet Mix - Vehicle Splits from EPD Solutions (2021)

Operational Off-Road Equipment - 4 onsite Forklifts proposed.

Stationary Sources - Emergency Generators and Fire Pumps -

PreZero Operation (No Trucks) - Riverside-South Coast County, Annual

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

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	PhaseEndDate	7/30/2021	7/16/2021
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.53	0.30
tblFleetMix	LDT1	0.06	0.15
tblFleetMix	LDT2	0.17	0.15
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.14	0.40
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOperationalOffRoadEquipment	OperLoadFactor	0.20	0.20
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	4.00
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	2,561.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	144.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	0.50
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	0.50
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00

PreZero Operation (No Trucks) - Riverside-South Coast County, Annual

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

tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	6.42	3.20
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	5.09	3.20
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	3.93	3.20

2.0 Emissions Summary

PreZero Operation (No Trucks) - Riverside-South Coast County, 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

	ROG	NOx	CO	SO2	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)
---------	------------	----------	--	--

PreZero Operation (No Trucks) - Riverside-South Coast County, Annual

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

Highest

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.4019	4.0000e-005	4.4400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.6200e-003	8.6200e-003	2.0000e-005	0.0000	9.1900e-003
Energy	0.0588	0.5348	0.4493	3.2100e-003		0.0407	0.0407		0.0407	0.0407	0.0000	1,175.9139	1,175.9139	0.0613	0.0168	1,182.4365
Mobile	0.4162	0.5521	6.1406	0.0178	1.7862	8.9600e-003	1.7952	0.4741	8.2500e-003	0.4824	0.0000	1,631.4841	1,631.4841	0.0474	0.0482	1,647.0301
Offroad	0.0594	0.5513	0.6030	8.0000e-004		0.0365	0.0365		0.0336	0.0336	0.0000	70.1806	70.1806	0.0227	0.0000	70.7480
Stationary	0.1110	0.4864	0.2893	5.3000e-004		0.0167	0.0167		0.0167	0.0167	0.0000	51.5028	51.5028	7.2200e-003	0.0000	51.6833
Waste						0.0000	0.0000		0.0000	0.0000	84.9923	0.0000	84.9923	5.0229	0.0000	210.5649
Water						0.0000	0.0000		0.0000	0.0000	24.7585	186.7139	211.4724	2.5587	0.0620	293.9021
Total	2.0472	2.1247	7.4865	0.0223	1.7862	0.1029	1.8891	0.4741	0.0993	0.5734	109.7508	3,115.8039	3,225.5547	7.7202	0.1269	3,456.3741

PreZero Operation (No Trucks) - Riverside-South Coast County, 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	1.4019	4.0000e-005	4.4400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.6200e-003	8.6200e-003	2.0000e-005	0.0000	9.1900e-003
Energy	0.0588	0.5348	0.4493	3.2100e-003		0.0407	0.0407		0.0407	0.0407	0.0000	1,175.9139	1,175.9139	0.0613	0.0168	1,182.4365
Mobile	0.4162	0.5521	6.1406	0.0178	1.7862	8.9600e-003	1.7952	0.4741	8.2500e-003	0.4824	0.0000	1,631.4841	1,631.4841	0.0474	0.0482	1,647.0301
Offroad	0.0594	0.5513	0.6030	8.0000e-004		0.0365	0.0365		0.0336	0.0336	0.0000	70.1806	70.1806	0.0227	0.0000	70.7480
Stationary	0.1110	0.4864	0.2893	5.3000e-004		0.0167	0.0167		0.0167	0.0167	0.0000	51.5028	51.5028	7.2200e-003	0.0000	51.6833
Waste						0.0000	0.0000		0.0000	0.0000	84.9923	0.0000	84.9923	5.0229	0.0000	210.5649
Water						0.0000	0.0000		0.0000	0.0000	24.7585	186.7139	211.4724	2.5587	0.0620	293.9021
Total	2.0472	2.1247	7.4865	0.0223	1.7862	0.1029	1.8891	0.4741	0.0993	0.5734	109.7508	3,115.8039	3,225.5547	7.7202	0.1269	3,456.3741

	ROG	NOx	CO	SO2	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

PreZero Operation (No Trucks) - Riverside-South Coast County, Annual

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

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/17/2021	7/16/2021	5	0	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 0****Acres of Paving: 7.16****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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

Unmitigated Construction On-Site

[illegible]

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

[illegible]

PreZero Operation (No Trucks) - Riverside-South Coast County, Annual

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4162	0.5521	6.1406	0.0178	1.7862	8.9600e-003	1.7952	0.4741	8.2500e-003	0.4824	0.0000	1,631.4841	1,631.4841	0.0474	0.0482	1,647.0301
Unmitigated	0.4162	0.5521	6.1406	0.0178	1.7862	8.9600e-003	1.7952	0.4741	8.2500e-003	0.4824	0.0000	1,631.4841	1,631.4841	0.0474	0.0482	1,647.0301

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Manufacturing	1,079.90	1,079.90	1,079.90	4,782,086	4,782,086
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	1,079.90	1,079.90	1,079.90	4,782,086	4,782,086

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Manufacturing	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

PreZero Operation (No Trucks) - Riverside-South Coast County, Annual

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.531022	0.055789	0.171983	0.143721	0.027315	0.007422	0.011813	0.018850	0.000630	0.000321	0.024273	0.001102	0.005759
Manufacturing	0.300000	0.150000	0.150000	0.400000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Asphalt Surfaces	0.531022	0.055789	0.171983	0.143721	0.027315	0.007422	0.011813	0.018850	0.000630	0.000321	0.024273	0.001102	0.005759

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	593.6966	593.6966	0.0501	6.0700e-003	596.7594
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	593.6966	593.6966	0.0501	6.0700e-003	596.7594
NaturalGas Mitigated	0.0588	0.5348	0.4493	3.2100e-003		0.0407	0.0407		0.0407	0.0407	0.0000	582.2173	582.2173	0.0112	0.0107	585.6771
NaturalGas Unmitigated	0.0588	0.5348	0.4493	3.2100e-003		0.0407	0.0407		0.0407	0.0407	0.0000	582.2173	582.2173	0.0112	0.0107	585.6771

PreZero Operation (No Trucks) - Riverside-South Coast County, 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					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Manufacturing	1.09103e+007	0.0588	0.5348	0.4493	3.2100e-003		0.0407	0.0407		0.0407	0.0407	0.0000	582.2173	582.2173	0.0112	0.0107	585.6771
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0588	0.5348	0.4493	3.2100e-003		0.0407	0.0407		0.0407	0.0407	0.0000	582.2173	582.2173	0.0112	0.0107	585.6771

PreZero Operation (No Trucks) - Riverside-South Coast County, 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					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Manufacturing	1.09103e+007	0.0588	0.5348	0.4493	3.2100e-003		0.0407	0.0407		0.0407	0.0407	0.0000	582.2173	582.2173	0.0112	0.0107	585.6771
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0588	0.5348	0.4493	3.2100e-003		0.0407	0.0407		0.0407	0.0407	0.0000	582.2173	582.2173	0.0112	0.0107	585.6771

PreZero Operation (No Trucks) - Riverside-South Coast County, 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			
City Park	0	0.0000	0.0000	0.0000	0.0000
Manufacturing	3.34768e+006	593.6966	0.0501	6.0700e-003	596.7594
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		593.6966	0.0501	6.0700e-003	596.7594

PreZero Operation (No Trucks) - Riverside-South Coast County, 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			
City Park	0	0.0000	0.0000	0.0000	0.0000
Manufacturing	3.34768e+006	593.6966	0.0501	6.0700e-003	596.7594
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		593.6966	0.0501	6.0700e-003	596.7594

6.0 Area Detail**6.1 Mitigation Measures Area**

PreZero Operation (No Trucks) - Riverside-South Coast County, 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	1.4019	4.0000e-005	4.4400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.6200e-003	8.6200e-003	2.0000e-005	0.0000	9.1900e-003
Unmitigated	1.4019	4.0000e-005	4.4400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.6200e-003	8.6200e-003	2.0000e-005	0.0000	9.1900e-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	0.1608					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.2407					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.1000e-004	4.0000e-005	4.4400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.6200e-003	8.6200e-003	2.0000e-005	0.0000	9.1900e-003
Total	1.4019	4.0000e-005	4.4400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.6200e-003	8.6200e-003	2.0000e-005	0.0000	9.1900e-003

PreZero Operation (No Trucks) - Riverside-South Coast County, 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	0.1608					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.2407					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.1000e-004	4.0000e-005	4.4400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.6200e-003	8.6200e-003	2.0000e-005	0.0000	9.1900e-003
Total	1.4019	4.0000e-005	4.4400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.6200e-003	8.6200e-003	2.0000e-005	0.0000	9.1900e-003

7.0 Water Detail

7.1 Mitigation Measures Water

PreZero Operation (No Trucks) - Riverside-South Coast County, 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	211.4724	2.5587	0.0620	293.9021
Unmitigated	211.4724	2.5587	0.0620	293.9021

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 3.3004	6.5028	5.5000e-004	7.0000e-005	6.5364
Manufacturing	78.0399 / 0	204.9696	2.5581	0.0619	287.3657
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		211.4724	2.5587	0.0620	293.9021

PreZero Operation (No Trucks) - Riverside-South Coast County, 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			
City Park	0 / 3.3004	6.5028	5.5000e-004	7.0000e-005	6.5364
Manufacturing	78.0399 / 0	204.9696	2.5581	0.0619	287.3657
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		211.4724	2.5587	0.0620	293.9021

8.0 Waste Detail**8.1 Mitigation Measures Waste**

PreZero Operation (No Trucks) - Riverside-South Coast County, 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	84.9923	5.0229	0.0000	210.5649
Unmitigated	84.9923	5.0229	0.0000	210.5649

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.24	0.0487	2.8800e-003	0.0000	0.1207
Manufacturing	418.46	84.9436	5.0200	0.0000	210.4442
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		84.9923	5.0229	0.0000	210.5649

PreZero Operation (No Trucks) - Riverside-South Coast County, 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			
City Park	0.24	0.0487	2.8800e-003	0.0000	0.1207
Manufacturing	418.46	84.9436	5.0200	0.0000	210.4442
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		84.9923	5.0229	0.0000	210.5649

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	4	8.00	260	89	0.20	Diesel

PreZero Operation (No Trucks) - Riverside-South Coast County, Annual

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

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Forklifts	0.0594	0.5513	0.6030	8.0000e-004		0.0365	0.0365		0.0336	0.0336	0.0000	70.1806	70.1806	0.0227	0.0000	70.7480
Total	0.0594	0.5513	0.6030	8.0000e-004		0.0365	0.0365		0.0336	0.0336	0.0000	70.1806	70.1806	0.0227	0.0000	70.7480

10.0 Stationary EquipmentFire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.5	50	2561	0.73	Diesel
Fire Pump	1	0.5	50	144	0.73	Diesel

Boilers

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

User Defined Equipment

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

PreZero Operation (No Trucks) - Riverside-South Coast County, Annual

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

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (750 - 9999 HP)	0.1051	0.4699	0.2679	5.0000e-004		0.0155	0.0155		0.0155	0.0155	0.0000	48.7611	48.7611	6.8400e-003	0.0000	48.9320
Fire Pump - Diesel (100 - 175 HP)	5.9100e-003	0.0165	0.0214	3.0000e-005		1.2700e-003	1.2700e-003		1.2700e-003	1.2700e-003	0.0000	2.7417	2.7417	3.8000e-004	0.0000	2.7514
Total	0.1110	0.4864	0.2893	5.3000e-004		0.0167	0.0167		0.0167	0.0167	0.0000	51.5028	51.5028	7.2200e-003	0.0000	51.6833

11.0 Vegetation

PreZero Operation (No Trucks) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**PreZero Operation (No Trucks)
Riverside-South Coast County, Summer****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Manufacturing	337.47	1000sqft	7.75	337,468.00	0
City Park	2.77	Acre	2.77	120,661.20	0
Other Asphalt Surfaces	7.16	Acre	7.16	311,889.60	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Operational Analysis only.

Off-road Equipment - Operational Analysis only

Grading -

Vehicle Trips - Used trip generation from EPD Solutions (2021)

Fleet Mix - Vehicle Splits from EPD Solutions (2021)

Operational Off-Road Equipment - 4 onsite Forklifts proposed.

Stationary Sources - Emergency Generators and Fire Pumps -

PreZero Operation (No Trucks) - Riverside-South Coast County, Summer

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

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	PhaseEndDate	7/30/2021	7/16/2021
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.53	0.30
tblFleetMix	LDT1	0.06	0.15
tblFleetMix	LDT2	0.17	0.15
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.14	0.40
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOperationalOffRoadEquipment	OperLoadFactor	0.20	0.20
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	4.00
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	2,561.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	144.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	0.50
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	0.50
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00

PreZero Operation (No Trucks) - Riverside-South Coast County, Summer

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

tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	6.42	3.20
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	5.09	3.20
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	3.93	3.20

2.0 Emissions Summary

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

Unmitigated Construction

Mitigated Construction

[illegible]

PreZero Operation (No Trucks) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	7.6827	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810
Energy	0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262
Mobile	2.7703	2.8547	39.1177	0.1046	9.9808	0.0493	10.0301	2.6458	0.0454	2.6912		10,575.4746	10,575.4746	0.2843	0.2809	10,666.2895
Offroad	0.4567	4.2407	4.6381	6.1400e-003		0.2809	0.2809		0.2584	0.2584	0.0000	595.0839	595.0839	0.1925		599.8955
Stationary	2.2193	9.7275	5.7868	0.0107		0.3346	0.3346		0.3346	0.3346		1,135.4429	1,135.4429	0.1592		1,139.4226
Total	13.4512	19.7538	52.0398	0.1390	9.9808	0.8877	10.8685	2.6458	0.8613	3.5071	0.0000	15,822.7061	15,822.7061	0.7035	0.3454	15,943.2148

PreZero Operation (No Trucks) - Riverside-South Coast County, Summer

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	7.6827	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810
Energy	0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262
Mobile	2.7703	2.8547	39.1177	0.1046	9.9808	0.0493	10.0301	2.6458	0.0454	2.6912		10,575.4746	10,575.4746	0.2843	0.2809	10,666.2895
Offroad	0.4567	4.2407	4.6381	6.1400e-003		0.2809	0.2809		0.2584	0.2584	0.0000	595.0839	595.0839	0.1925		599.8955
Stationary	2.2193	9.7275	5.7868	0.0107		0.3346	0.3346		0.3346	0.3346		1,135.4429	1,135.4429	0.1592		1,139.4226
Total	13.4512	19.7538	52.0398	0.1390	9.9808	0.8877	10.8685	2.6458	0.8613	3.5071	0.0000	15,822.7061	15,822.7061	0.7035	0.3454	15,943.2148

	ROG	NOx	CO	SO2	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	Site Preparation	Site Preparation	7/17/2021	7/16/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

PreZero Operation (No Trucks) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Acres of Grading (Grading Phase): 0****Acres of Paving: 7.16****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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

Unmitigated Construction On-Site

[illegible]

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

Mitigated Construction On-Site

[illegible]

PreZero Operation (No Trucks) - Riverside-South Coast County, Summer

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.7703	2.8547	39.1177	0.1046	9.9808	0.0493	10.0301	2.6458	0.0454	2.6912		10,575.47 46	10,575.47 46	0.2843	0.2809	10,666.28 95
Unmitigated	2.7703	2.8547	39.1177	0.1046	9.9808	0.0493	10.0301	2.6458	0.0454	2.6912		10,575.47 46	10,575.47 46	0.2843	0.2809	10,666.28 95

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Manufacturing	1,079.90	1,079.90	1,079.90	4,782,086	4,782,086
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	1,079.90	1,079.90	1,079.90	4,782,086	4,782,086

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Manufacturing	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

PreZero Operation (No Trucks) - Riverside-South Coast County, Summer

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.531022	0.055789	0.171983	0.143721	0.027315	0.007422	0.011813	0.018850	0.000630	0.000321	0.024273	0.001102	0.005759
Manufacturing	0.300000	0.150000	0.150000	0.400000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Asphalt Surfaces	0.531022	0.055789	0.171983	0.143721	0.027315	0.007422	0.011813	0.018850	0.000630	0.000321	0.024273	0.001102	0.005759

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262
NaturalGas Unmitigated	0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262

PreZero Operation (No Trucks) - Riverside-South Coast County, Summer

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Manufacturing	29891.3	0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262

PreZero Operation (No Trucks) - Riverside-South Coast County, Summer

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Manufacturing	29.8913	0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262

6.0 Area Detail

6.1 Mitigation Measures Area

PreZero Operation (No Trucks) - Riverside-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	7.6827	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810
Unmitigated	7.6827	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.7986					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.3000e-003	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810
Total	7.6827	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810

PreZero Operation (No Trucks) - Riverside-South Coast County, Summer

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.7986					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.3000e-003	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810
Total	7.6827	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	4	8.00	260	89	0.20	Diesel

PreZero Operation (No Trucks) - Riverside-South Coast County, Summer

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

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Forklifts	0.4567	4.2407	4.6381	6.1400e-003		0.2809	0.2809		0.2584	0.2584	0.0000	595.0839	595.0839	0.1925		599.8955
Total	0.4567	4.2407	4.6381	6.1400e-003		0.2809	0.2809		0.2584	0.2584	0.0000	595.0839	595.0839	0.1925		599.8955

10.0 Stationary EquipmentFire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.5	50	2561	0.73	Diesel
Fire Pump	1	0.5	50	144	0.73	Diesel

Boilers

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

User Defined Equipment

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

PreZero Operation (No Trucks) - Riverside-South Coast County, Summer

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

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (750 - 9999 HP)	2.1011	9.3973	5.3581	0.0101		0.3091	0.3091		0.3091	0.3091		1,074.9978	1,074.9978	0.1507		1,078.7657
Fire Pump - Diesel (100 - 175 HP)	0.1181	0.3302	0.4287	5.7000e-004		0.0255	0.0255		0.0255	0.0255		60.4450	60.4450	8.4700e-003		60.6569
Total	2.2193	9.7275	5.7868	0.0107		0.3346	0.3346		0.3346	0.3346		1,135.4429	1,135.4429	0.1592		1,139.4226

11.0 Vegetation

PreZero Operation (No Trucks) - Riverside-South Coast County, Winter

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

PreZero Operation (No Trucks)

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Manufacturing	337.47	1000sqft	7.75	337,468.00	0
City Park	2.77	Acre	2.77	120,661.20	0
Other Asphalt Surfaces	7.16	Acre	7.16	311,889.60	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Operational Analysis only.

Off-road Equipment - Operational Analysis only

Grading -

Vehicle Trips - Used trip generation from EPD Solutions (2021)

Fleet Mix - Vehicle Splits from EPD Solutions (2021)

Operational Off-Road Equipment - 4 onsite Forklifts proposed.

Stationary Sources - Emergency Generators and Fire Pumps -

PreZero Operation (No Trucks) - Riverside-South Coast County, Winter

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

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	PhaseEndDate	7/30/2021	7/16/2021
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.53	0.30
tblFleetMix	LDT1	0.06	0.15
tblFleetMix	LDT2	0.17	0.15
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.14	0.40
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOperationalOffRoadEquipment	OperLoadFactor	0.20	0.20
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	4.00
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	2,561.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	144.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	0.50
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	0.50
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00

PreZero Operation (No Trucks) - Riverside-South Coast County, Winter

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

tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	6.42	3.20
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	5.09	3.20
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	3.93	3.20

2.0 Emissions Summary

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

Unmitigated Construction

[illegible]

Mitigated Construction

[illegible][illegible]

PreZero Operation (No Trucks) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	7.6827	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810
Energy	0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262
Mobile	2.2387	2.9610	32.1253	0.0959	9.9808	0.0493	10.0301	2.6458	0.0454	2.6912		9,692.4216	9,692.4216	0.2869	0.2873	9,785.2063
Offroad	0.4567	4.2407	4.6381	6.1400e-003		0.2809	0.2809		0.2584	0.2584	0.0000	595.0839	595.0839	0.1925		599.8955
Stationary	2.2193	9.7275	5.7868	0.0107		0.3346	0.3346		0.3346	0.3346		1,135.4429	1,135.4429	0.1592		1,139.4226
Total	12.9196	19.8601	45.0473	0.1303	9.9808	0.8877	10.8685	2.6458	0.8613	3.5071	0.0000	14,939.6531	14,939.6531	0.7062	0.3518	15,062.1317

PreZero Operation (No Trucks) - Riverside-South Coast County, Winter

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	7.6827	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810
Energy	0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262
Mobile	2.2387	2.9610	32.1253	0.0959	9.9808	0.0493	10.0301	2.6458	0.0454	2.6912		9,692.4216	9,692.4216	0.2869	0.2873	9,785.2063
Offroad	0.4567	4.2407	4.6381	6.1400e-003		0.2809	0.2809		0.2584	0.2584	0.0000	595.0839	595.0839	0.1925		599.8955
Stationary	2.2193	9.7275	5.7868	0.0107		0.3346	0.3346		0.3346	0.3346		1,135.4429	1,135.4429	0.1592		1,139.4226
Total	12.9196	19.8601	45.0473	0.1303	9.9808	0.8877	10.8685	2.6458	0.8613	3.5071	0.0000	14,939.6531	14,939.6531	0.7062	0.3518	15,062.1317

	ROG	NOx	CO	SO2	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	Site Preparation	Site Preparation	7/17/2021	7/16/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

PreZero Operation (No Trucks) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Acres of Grading (Grading Phase): 0****Acres of Paving: 7.16****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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

Unmitigated Construction On-Site

[illegible]

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

Mitigated Construction On-Site

[illegible]

PreZero Operation (No Trucks) - Riverside-South Coast County, Winter

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.2387	2.9610	32.1253	0.0959	9.9808	0.0493	10.0301	2.6458	0.0454	2.6912		9,692.4216	9,692.4216	0.2869	0.2873	9,785.2063
Unmitigated	2.2387	2.9610	32.1253	0.0959	9.9808	0.0493	10.0301	2.6458	0.0454	2.6912		9,692.4216	9,692.4216	0.2869	0.2873	9,785.2063

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Manufacturing	1,079.90	1,079.90	1,079.90	4,782,086	4,782,086
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	1,079.90	1,079.90	1,079.90	4,782,086	4,782,086

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Manufacturing	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

PreZero Operation (No Trucks) - Riverside-South Coast County, Winter

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.531022	0.055789	0.171983	0.143721	0.027315	0.007422	0.011813	0.018850	0.000630	0.000321	0.024273	0.001102	0.005759
Manufacturing	0.300000	0.150000	0.150000	0.400000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Asphalt Surfaces	0.531022	0.055789	0.171983	0.143721	0.027315	0.007422	0.011813	0.018850	0.000630	0.000321	0.024273	0.001102	0.005759

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262
NaturalGas Unmitigated	0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262

PreZero Operation (No Trucks) - Riverside-South Coast County, Winter

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Manufacturing	29891.3	0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262

PreZero Operation (No Trucks) - Riverside-South Coast County, Winter

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Manufacturing	29.8913	0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262

6.0 Area Detail

6.1 Mitigation Measures Area

PreZero Operation (No Trucks) - Riverside-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	7.6827	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810
Unmitigated	7.6827	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.7986					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.3000e-003	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810
Total	7.6827	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810

PreZero Operation (No Trucks) - Riverside-South Coast County, Winter

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.7986					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.3000e-003	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810
Total	7.6827	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	4	8.00	260	89	0.20	Diesel

PreZero Operation (No Trucks) - Riverside-South Coast County, Winter

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

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Forklifts	0.4567	4.2407	4.6381	6.1400e-003		0.2809	0.2809		0.2584	0.2584	0.0000	595.0839	595.0839	0.1925		599.8955
Total	0.4567	4.2407	4.6381	6.1400e-003		0.2809	0.2809		0.2584	0.2584	0.0000	595.0839	595.0839	0.1925		599.8955

10.0 Stationary EquipmentFire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.5	50	2561	0.73	Diesel
Fire Pump	1	0.5	50	144	0.73	Diesel

Boilers

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

User Defined Equipment

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

PreZero Operation (No Trucks) - Riverside-South Coast County, Winter

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

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (750 - 9999 HP)	2.1011	9.3973	5.3581	0.0101		0.3091	0.3091		0.3091	0.3091		1,074.9978	1,074.9978	0.1507		1,078.7657
Fire Pump - Diesel (100 - 175 HP)	0.1181	0.3302	0.4287	5.7000e-004		0.0255	0.0255		0.0255	0.0255		60.4450	60.4450	8.4700e-003		60.6569
Total	2.2193	9.7275	5.7868	0.0107		0.3346	0.3346		0.3346	0.3346		1,135.4429	1,135.4429	0.1592		1,139.4226

11.0 Vegetation

CalEEMod Sheets Operation (Trucks)

PreZero Operation (Trucks) - Riverside-South Coast County, Annual

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

PreZero Operation (Trucks)
Riverside-South Coast County, Annual

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Manufacturing	337.47	1000sqft	7.75	337,468.00	0
Other Asphalt Surfaces	7.16	Acre	7.16	311,889.60	0
City Park	2.77	Acre	2.77	120,661.20	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	390.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Operational Analysis

Off-road Equipment - Operational Analysis

Grading -

Vehicle Trips - Used Trip gen from EPD Solutions (2021). Assumed 40 mile trip length to match SCAQMD analysis guidelines.

Fleet Mix - Truck analysis only, used Trip generation from EPD Solutions (2021)

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	0.00

PreZero Operation (Trucks) - Riverside-South Coast County, Annual

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

tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MHD	0.01	1.00
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblLandUse	LandUseSquareFeet	337,470.00	337,468.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblVehicleTrips	CC_TL	8.40	40.00
tblVehicleTrips	CC_TTP	28.00	50.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	59.00	50.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	6.42	0.26
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	5.09	0.26
tblVehicleTrips	WD_TR	0.78	0.00

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

2.0 Emissions Summary

Unmitigated Construction

Mitigated Construction

[illegible]

PreZero Operation (Trucks) - Riverside-South Coast County, 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)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.4019	4.0000e-005	4.4400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.6200e-003	8.6200e-003	2.0000e-005	0.0000	9.1900e-003
Energy	0.0588	0.5348	0.4493	3.2100e-003		0.0407	0.0407		0.0407	0.0407	0.0000	1,175.9139	1,175.9139	0.0613	0.0168	1,182.4365
Mobile	0.0790	2.2490	0.5542	0.0131	0.6146	0.0634	0.6780	0.1846	0.0607	0.2452	0.0000	1,243.6835	1,243.6835	4.7300e-003	0.1662	1,293.3236
Waste						0.0000	0.0000		0.0000	0.0000	84.9923	0.0000	84.9923	5.0229	0.0000	210.5649
Water						0.0000	0.0000		0.0000	0.0000	24.7585	186.7139	211.4724	2.5587	0.0620	293.9021
Total	1.5397	2.7838	1.0079	0.0163	0.6146	0.1041	0.7187	0.1846	0.1013	0.2859	109.7508	2,606.3200	2,716.0708	7.6476	0.2449	2,980.2363

PreZero Operation (Trucks) - Riverside-South Coast County, 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	1.4019	4.0000e-005	4.4400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.6200e-003	8.6200e-003	2.0000e-005	0.0000	9.1900e-003
Energy	0.0588	0.5348	0.4493	3.2100e-003		0.0407	0.0407		0.0407	0.0407	0.0000	1,175.9139	1,175.9139	0.0613	0.0168	1,182.4365
Mobile	0.0790	2.2490	0.5542	0.0131	0.6146	0.0634	0.6780	0.1846	0.0607	0.2452	0.0000	1,243.6835	1,243.6835	4.7300e-003	0.1662	1,293.3236
Waste						0.0000	0.0000		0.0000	0.0000	84.9923	0.0000	84.9923	5.0229	0.0000	210.5649
Water						0.0000	0.0000		0.0000	0.0000	24.7585	186.7139	211.4724	2.5587	0.0620	293.9021
Total	1.5397	2.7838	1.0079	0.0163	0.6146	0.1041	0.7187	0.1846	0.1013	0.2859	109.7508	2,606.3200	2,716.0708	7.6476	0.2449	2,980.2363

	ROG	NOx	CO	SO2	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	Site Preparation	Site Preparation	7/17/2021	7/16/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

PreZero Operation (Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Acres of Grading (Grading Phase): 0****Acres of Paving: 7.16****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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

Unmitigated Construction On-Site

[illegible]

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

Mitigated Construction On-Site

[illegible]

PreZero Operation (Trucks) - Riverside-South Coast County, Annual

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0790	2.2490	0.5542	0.0131	0.6146	0.0634	0.6780	0.1846	0.0607	0.2452	0.0000	1,243.6835	1,243.6835	4.7300e-003	0.1662	1,293.3236
Unmitigated	0.0790	2.2490	0.5542	0.0131	0.6146	0.0634	0.6780	0.1846	0.0607	0.2452	0.0000	1,243.6835	1,243.6835	4.7300e-003	0.1662	1,293.3236

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Manufacturing	87.74	87.74	87.74	1,277,526	1,277,526
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	87.74	87.74	87.74	1,277,526	1,277,526

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Manufacturing	40.00	40.00	6.90	50.00	50.00	0.00	100	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

PreZero Operation (Trucks) - Riverside-South Coast County, Annual

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.531022	0.055789	0.171983	0.143721	0.027315	0.007422	0.011813	0.018850	0.000630	0.000321	0.024273	0.001102	0.005759
Manufacturing	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Asphalt Surfaces	0.531022	0.055789	0.171983	0.143721	0.027315	0.007422	0.011813	0.018850	0.000630	0.000321	0.024273	0.001102	0.005759

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	593.6966	593.6966	0.0501	6.0700e-003	596.7594
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	593.6966	593.6966	0.0501	6.0700e-003	596.7594
NaturalGas Mitigated	0.0588	0.5348	0.4493	3.2100e-003		0.0407	0.0407		0.0407	0.0407	0.0000	582.2173	582.2173	0.0112	0.0107	585.6771
NaturalGas Unmitigated	0.0588	0.5348	0.4493	3.2100e-003		0.0407	0.0407		0.0407	0.0407	0.0000	582.2173	582.2173	0.0112	0.0107	585.6771

PreZero Operation (Trucks) - Riverside-South Coast County, 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					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Manufacturing	1.09103e+007	0.0588	0.5348	0.4493	3.2100e-003		0.0407	0.0407		0.0407	0.0407	0.0000	582.2173	582.2173	0.0112	0.0107	585.6771
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0588	0.5348	0.4493	3.2100e-003		0.0407	0.0407		0.0407	0.0407	0.0000	582.2173	582.2173	0.0112	0.0107	585.6771

PreZero Operation (Trucks) - Riverside-South Coast County, 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					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Manufacturing	1.09103e+007	0.0588	0.5348	0.4493	3.2100e-003		0.0407	0.0407		0.0407	0.0407	0.0000	582.2173	582.2173	0.0112	0.0107	585.6771
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0588	0.5348	0.4493	3.2100e-003		0.0407	0.0407		0.0407	0.0407	0.0000	582.2173	582.2173	0.0112	0.0107	585.6771

PreZero Operation (Trucks) - Riverside-South Coast County, 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			
City Park	0	0.0000	0.0000	0.0000	0.0000
Manufacturing	3.34768e+006	593.6966	0.0501	6.0700e-003	596.7594
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		593.6966	0.0501	6.0700e-003	596.7594

PreZero Operation (Trucks) - Riverside-South Coast County, 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			
City Park	0	0.0000	0.0000	0.0000	0.0000
Manufacturing	3.34768e+006	593.6966	0.0501	6.0700e-003	596.7594
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		593.6966	0.0501	6.0700e-003	596.7594

6.0 Area Detail**6.1 Mitigation Measures Area**

PreZero Operation (Trucks) - Riverside-South Coast County, 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	1.4019	4.0000e-005	4.4400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.6200e-003	8.6200e-003	2.0000e-005	0.0000	9.1900e-003
Unmitigated	1.4019	4.0000e-005	4.4400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.6200e-003	8.6200e-003	2.0000e-005	0.0000	9.1900e-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	0.1608					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.2407					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.1000e-004	4.0000e-005	4.4400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.6200e-003	8.6200e-003	2.0000e-005	0.0000	9.1900e-003
Total	1.4019	4.0000e-005	4.4400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.6200e-003	8.6200e-003	2.0000e-005	0.0000	9.1900e-003

PreZero Operation (Trucks) - Riverside-South Coast County, 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	0.1608					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.2407					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.1000e-004	4.0000e-005	4.4400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.6200e-003	8.6200e-003	2.0000e-005	0.0000	9.1900e-003
Total	1.4019	4.0000e-005	4.4400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.6200e-003	8.6200e-003	2.0000e-005	0.0000	9.1900e-003

7.0 Water Detail

7.1 Mitigation Measures Water

PreZero Operation (Trucks) - Riverside-South Coast County, 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	211.4724	2.5587	0.0620	293.9021
Unmitigated	211.4724	2.5587	0.0620	293.9021

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 3.3004	6.5028	5.5000e-004	7.0000e-005	6.5364
Manufacturing	78.0399 / 0	204.9696	2.5581	0.0619	287.3657
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		211.4724	2.5587	0.0620	293.9021

PreZero Operation (Trucks) - Riverside-South Coast County, 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			
City Park	0 / 3.3004	6.5028	5.5000e-004	7.0000e-005	6.5364
Manufacturing	78.0399 / 0	204.9696	2.5581	0.0619	287.3657
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		211.4724	2.5587	0.0620	293.9021

8.0 Waste Detail

8.1 Mitigation Measures Waste

PreZero Operation (Trucks) - Riverside-South Coast County, 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	84.9923	5.0229	0.0000	210.5649
Unmitigated	84.9923	5.0229	0.0000	210.5649

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.24	0.0487	2.8800e-003	0.0000	0.1207
Manufacturing	418.46	84.9436	5.0200	0.0000	210.4442
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		84.9923	5.0229	0.0000	210.5649

PreZero Operation (Trucks) - Riverside-South Coast County, 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			
City Park	0.24	0.0487	2.8800e-003	0.0000	0.1207
Manufacturing	418.46	84.9436	5.0200	0.0000	210.4442
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		84.9923	5.0229	0.0000	210.5649

9.0 Operational Offroad

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

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

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

Boilers

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

User Defined Equipment

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

PreZero Operation (Trucks) - Riverside-South Coast County, Annual

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

11.0 Vegetation

PreZero Operation (Trucks) - Riverside-South Coast County, Summer

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

PreZero Operation (Trucks)
Riverside-South Coast County, Summer

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Manufacturing	337.47	1000sqft	7.75	337,468.00	0
Other Asphalt Surfaces	7.16	Acre	7.16	311,889.60	0
City Park	2.77	Acre	2.77	120,661.20	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	390.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Operational Analysis

Off-road Equipment - Operational Analysis

Grading -

Vehicle Trips - Used Trip gen from EPD Solutions (2021). Assumed 40 mile trip length to match SCAQMD analysis guidelines.

Fleet Mix - Truck analysis only, used Trip generation from EPD Solutions (2021)

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	0.00

PreZero Operation (Trucks) - Riverside-South Coast County, Summer

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

tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MHD	0.01	1.00
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblLandUse	LandUseSquareFeet	337,470.00	337,468.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblVehicleTrips	CC_TL	8.40	40.00
tblVehicleTrips	CC_TTP	28.00	50.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	59.00	50.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	6.42	0.26
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	5.09	0.26
tblVehicleTrips	WD_TR	0.78	0.00

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

2.0 Emissions Summary

Unmitigated Construction

Mitigated Construction

[illegible]

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

[illegible]

PreZero Operation (Trucks) - Riverside-South Coast County, Summer

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	7.6827	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810
Energy	0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262
Mobile	0.4349	11.6747	3.0513	0.0718	3.4215	0.3487	3.7702	1.0249	0.3336	1.3585		7,541.7358	7,541.7358	0.0288	1.0061	7,842.2632
Total	8.4400	14.6055	5.5484	0.0894	3.4215	0.5716	3.9931	1.0249	0.5565	1.5814		11,058.4405	11,058.4405	0.0964	1.0705	11,379.8704

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	7.6827	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810
Energy	0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262
Mobile	0.4349	11.6747	3.0513	0.0718	3.4215	0.3487	3.7702	1.0249	0.3336	1.3585		7,541.7358	7,541.7358	0.0288	1.0061	7,842.2632
Total	8.4400	14.6055	5.5484	0.0894	3.4215	0.5716	3.9931	1.0249	0.5565	1.5814		11,058.4405	11,058.4405	0.0964	1.0705	11,379.8704

PreZero Operation (Trucks) - Riverside-South Coast County, Summer

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/17/2021	7/16/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 7.16

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

PreZero Operation (Trucks) - Riverside-South Coast County, Summer

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

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

[illegible]

Unmitigated Construction Off-Site

[illegible]

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

Mitigated Construction On-Site

[illegible]

PreZero Operation (Trucks) - Riverside-South Coast County, Summer

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4349	11.6747	3.0513	0.0718	3.4215	0.3487	3.7702	1.0249	0.3336	1.3585		7,541.7358	7,541.7358	0.0288	1.0061	7,842.2632
Unmitigated	0.4349	11.6747	3.0513	0.0718	3.4215	0.3487	3.7702	1.0249	0.3336	1.3585		7,541.7358	7,541.7358	0.0288	1.0061	7,842.2632

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Manufacturing	87.74	87.74	87.74	1,277,526	1,277,526
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	87.74	87.74	87.74	1,277,526	1,277,526

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Manufacturing	40.00	40.00	6.90	50.00	50.00	0.00	100	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

PreZero Operation (Trucks) - Riverside-South Coast County, Summer

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.531022	0.055789	0.171983	0.143721	0.027315	0.007422	0.011813	0.018850	0.000630	0.000321	0.024273	0.001102	0.005759
Manufacturing	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Asphalt Surfaces	0.531022	0.055789	0.171983	0.143721	0.027315	0.007422	0.011813	0.018850	0.000630	0.000321	0.024273	0.001102	0.005759

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262
NaturalGas Unmitigated	0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262

PreZero Operation (Trucks) - Riverside-South Coast County, Summer

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Manufacturing	29891.3	0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262

PreZero Operation (Trucks) - Riverside-South Coast County, Summer

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Manufacturing	29.8913	0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262

6.0 Area Detail

6.1 Mitigation Measures Area

PreZero Operation (Trucks) - Riverside-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	7.6827	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810
Unmitigated	7.6827	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.7986					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.3000e-003	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810
Total	7.6827	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810

PreZero Operation (Trucks) - Riverside-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.7986					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.3000e-003	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810
Total	7.6827	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810

7.0 Water Detail**7.1 Mitigation Measures Water**

PreZero Operation (Trucks) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste**9.0 Operational Offroad**

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

PreZero Operation (Trucks) - Riverside-South Coast County, Winter

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

PreZero Operation (Trucks)
Riverside-South Coast County, Winter

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Manufacturing	337.47	1000sqft	7.75	337,468.00	0
Other Asphalt Surfaces	7.16	Acre	7.16	311,889.60	0
City Park	2.77	Acre	2.77	120,661.20	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	390.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Operational Analysis

Off-road Equipment - Operational Analysis

Grading -

Vehicle Trips - Used Trip gen from EPD Solutions (2021). Assumed 40 mile trip length to match SCAQMD analysis guidelines.

Fleet Mix - Truck analysis only, used Trip generation from EPD Solutions (2021)

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	0.00

PreZero Operation (Trucks) - Riverside-South Coast County, Winter

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

tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MHD	0.01	1.00
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblLandUse	LandUseSquareFeet	337,470.00	337,468.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblVehicleTrips	CC_TL	8.40	40.00
tblVehicleTrips	CC_TTP	28.00	50.00
tblVehicleTrips	CNW_TTP	13.00	0.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	59.00	50.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	6.42	0.26
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	5.09	0.26
tblVehicleTrips	WD_TR	0.78	0.00

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

2.0 Emissions Summary

Unmitigated Construction

Mitigated Construction

[illegible]

PreZero Operation (Trucks) - Riverside-South Coast County, Winter

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

[illegible]

PreZero Operation (Trucks) - Riverside-South Coast County, Winter

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	7.6827	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810
Energy	0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262
Mobile	0.4335	12.2632	3.0510	0.0718	3.4215	0.3488	3.7703	1.0249	0.3337	1.3586		7,541.2658	7,541.2658	0.0286	1.0079	7,842.3308
Total	8.4386	15.1941	5.5482	0.0894	3.4215	0.5717	3.9932	1.0249	0.5566	1.5815		11,057.9705	11,057.9705	0.0962	1.0724	11,379.9380

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	7.6827	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810
Energy	0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262
Mobile	0.4335	12.2632	3.0510	0.0718	3.4215	0.3488	3.7703	1.0249	0.3337	1.3586		7,541.2658	7,541.2658	0.0286	1.0079	7,842.3308
Total	8.4386	15.1941	5.5482	0.0894	3.4215	0.5717	3.9932	1.0249	0.5566	1.5815		11,057.9705	11,057.9705	0.0962	1.0724	11,379.9380

PreZero Operation (Trucks) - Riverside-South Coast County, Winter

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/17/2021	7/16/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 7.16

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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

Unmitigated Construction On-Site

[illegible]

PreZero Operation (Trucks) - Riverside-South Coast County, Winter

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

3.2 Site Preparation - 2021

Mitigated Construction On-Site

[illegible]

Mitigated Construction Off-Site

[illegible]

PreZero Operation (Trucks) - Riverside-South Coast County, Winter

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4335	12.2632	3.0510	0.0718	3.4215	0.3488	3.7703	1.0249	0.3337	1.3586		7,541.2658	7,541.2658	0.0286	1.0079	7,842.3308
Unmitigated	0.4335	12.2632	3.0510	0.0718	3.4215	0.3488	3.7703	1.0249	0.3337	1.3586		7,541.2658	7,541.2658	0.0286	1.0079	7,842.3308

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Manufacturing	87.74	87.74	87.74	1,277,526	1,277,526
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	87.74	87.74	87.74	1,277,526	1,277,526

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Manufacturing	40.00	40.00	6.90	50.00	50.00	0.00	100	0	0
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

PreZero Operation (Trucks) - Riverside-South Coast County, Winter

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.531022	0.055789	0.171983	0.143721	0.027315	0.007422	0.011813	0.018850	0.000630	0.000321	0.024273	0.001102	0.005759
Manufacturing	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Asphalt Surfaces	0.531022	0.055789	0.171983	0.143721	0.027315	0.007422	0.011813	0.018850	0.000630	0.000321	0.024273	0.001102	0.005759

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262
NaturalGas Unmitigated	0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262

PreZero Operation (Trucks) - Riverside-South Coast County, Winter

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Manufacturing	29891.3	0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262

PreZero Operation (Trucks) - Riverside-South Coast County, Winter

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Manufacturing	29.8913	0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262

6.0 Area Detail

6.1 Mitigation Measures Area

PreZero Operation (Trucks) - Riverside-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	7.6827	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810
Unmitigated	7.6827	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.7986					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.3000e-003	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810
Total	7.6827	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810

PreZero Operation (Trucks) - Riverside-South Coast County, Winter

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.7986					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.3000e-003	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810
Total	7.6827	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810

7.0 Water Detail

7.1 Mitigation Measures Water

PreZero Operation (Trucks) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste**9.0 Operational Offroad**

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

CalEEMod Operation LST

PreZero Operation LST - Riverside-South Coast County, Annual

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

PreZero Operation LST
Riverside-South Coast County, Annual

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Manufacturing	337.47	1000sqft	7.75	337,468.00	0
Other Asphalt Surfaces	7.16	Acre	7.16	311,889.60	0
City Park	2.77	Acre	2.77	120,661.20	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Operational Analysis Only

Off-road Equipment - Operational Analysis Only

Grading -

Vehicle Trips - Local Operational Analysis

Fleet Mix - Used truck splits from EPD Solutions trip generation (2021)

Operational Off-Road Equipment - Project proposes 4 Forklifts.

PreZero Operation LST - Riverside-South Coast County, Annual

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

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	PhaseEndDate	7/30/2021	7/16/2021
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.53	0.27
tblFleetMix	LDT1	0.06	0.14
tblFleetMix	LDT2	0.17	0.14
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.14	0.37
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MHD	0.01	0.09
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	4.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	2,561.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	144.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	0.50
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	0.50
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	CC_TL	8.40	0.25
tblVehicleTrips	CNW_TL	6.90	0.25

PreZero Operation LST - Riverside-South Coast County, Annual

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

tblVehicleTrips	CW_TL	16.60	0.25
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	6.42	2.92
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	5.09	2.92
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	3.93	2.92

2.0 Emissions Summary

PreZero Operation LST - Riverside-South Coast County, 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

	ROG	NOx	CO	SO2	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)			
---------	------------	----------	--	--	--	--	--	--	--	--

PreZero Operation LST - Riverside-South Coast County, Annual

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

Highest

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.4019	4.0000e-005	4.4400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.6200e-003	8.6200e-003	2.0000e-005	0.0000	9.1900e-003
Energy	0.0588	0.5348	0.4493	3.2100e-003		0.0407	0.0407		0.0407	0.0407	0.0000	1,175.9139	1,175.9139	0.0613	0.0168	1,182.4365
Mobile	0.2749	0.1892	1.0675	6.4000e-004	0.0325	1.2900e-003	0.0337	8.7400e-003	1.2000e-003	9.9400e-003	0.0000	58.7531	58.7531	0.0234	0.0123	62.9880
Offroad	0.0591	0.5486	0.6000	7.9000e-004		0.0363	0.0363		0.0334	0.0334	0.0000	69.8314	69.8314	0.0226	0.0000	70.3960
Waste						0.0000	0.0000		0.0000	0.0000	84.9923	0.0000	84.9923	5.0229	0.0000	210.5649
Water						0.0000	0.0000		0.0000	0.0000	24.7585	186.7139	211.4724	2.5587	0.0620	293.9021
Total	1.7947	1.2726	2.1211	4.6400e-003	0.0325	0.0783	0.1107	8.7400e-003	0.0753	0.0840	109.7508	1,491.2209	1,600.9717	7.6888	0.0910	1,820.2967

PreZero Operation LST - Riverside-South Coast County, 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	1.4019	4.0000e-005	4.4400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.6200e-003	8.6200e-003	2.0000e-005	0.0000	9.1900e-003
Energy	0.0588	0.5348	0.4493	3.2100e-003		0.0407	0.0407		0.0407	0.0407	0.0000	1,175.9139	1,175.9139	0.0613	0.0168	1,182.4365
Mobile	0.2749	0.1892	1.0675	6.4000e-004	0.0325	1.2900e-003	0.0337	8.7400e-003	1.2000e-003	9.9400e-003	0.0000	58.7531	58.7531	0.0234	0.0123	62.9880
Offroad	0.0591	0.5486	0.6000	7.9000e-004		0.0363	0.0363		0.0334	0.0334	0.0000	69.8314	69.8314	0.0226	0.0000	70.3960
Waste						0.0000	0.0000		0.0000	0.0000	84.9923	0.0000	84.9923	5.0229	0.0000	210.5649
Water						0.0000	0.0000		0.0000	0.0000	24.7585	186.7139	211.4724	2.5587	0.0620	293.9021
Total	1.7947	1.2726	2.1211	4.6400e-003	0.0325	0.0783	0.1107	8.7400e-003	0.0753	0.0840	109.7508	1,491.2209	1,600.9717	7.6888	0.0910	1,820.2967

	ROG	NOx	CO	SO2	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	Site Preparation	Site Preparation	7/17/2021	7/16/2021	5	0	

PreZero Operation LST - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Acres of Grading (Site Preparation Phase): 0****Acres of Grading (Grading Phase): 0****Acres of Paving: 7.16****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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

Unmitigated Construction On-Site

[illegible]

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

Mitigated Construction On-Site

[illegible]

PreZero Operation LST - Riverside-South Coast County, Annual

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2749	0.1892	1.0675	6.4000e-004	0.0325	1.2900e-003	0.0337	8.7400e-003	1.2000e-003	9.9400e-003	0.0000	58.7531	58.7531	0.0234	0.0123	62.9880
Unmitigated	0.2749	0.1892	1.0675	6.4000e-004	0.0325	1.2900e-003	0.0337	8.7400e-003	1.2000e-003	9.9400e-003	0.0000	58.7531	58.7531	0.0234	0.0123	62.9880

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Manufacturing	985.41	985.41	985.41	84,695	84,695
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	985.41	985.41	985.41	84,695	84,695

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Manufacturing	0.25	0.25	0.25	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

PreZero Operation LST - Riverside-South Coast County, Annual

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.531022	0.055789	0.171983	0.143721	0.027315	0.007422	0.011813	0.018850	0.000630	0.000321	0.024273	0.001102	0.005759
Manufacturing	0.272819	0.136410	0.136410	0.365112	0.000000	0.000000	0.089249	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Asphalt Surfaces	0.531022	0.055789	0.171983	0.143721	0.027315	0.007422	0.011813	0.018850	0.000630	0.000321	0.024273	0.001102	0.005759

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	593.6966	593.6966	0.0501	6.0700e-003	596.7594
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	593.6966	593.6966	0.0501	6.0700e-003	596.7594
NaturalGas Mitigated	0.0588	0.5348	0.4493	3.2100e-003		0.0407	0.0407		0.0407	0.0407	0.0000	582.2173	582.2173	0.0112	0.0107	585.6771
NaturalGas Unmitigated	0.0588	0.5348	0.4493	3.2100e-003		0.0407	0.0407		0.0407	0.0407	0.0000	582.2173	582.2173	0.0112	0.0107	585.6771

PreZero Operation LST - Riverside-South Coast County, 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					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Manufacturing	1.09103e+007	0.0588	0.5348	0.4493	3.2100e-003		0.0407	0.0407		0.0407	0.0407	0.0000	582.2173	582.2173	0.0112	0.0107	585.6771
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0588	0.5348	0.4493	3.2100e-003		0.0407	0.0407		0.0407	0.0407	0.0000	582.2173	582.2173	0.0112	0.0107	585.6771

PreZero Operation LST - Riverside-South Coast County, 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					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Manufacturing	1.09103e+007	0.0588	0.5348	0.4493	3.2100e-003		0.0407	0.0407		0.0407	0.0407	0.0000	582.2173	582.2173	0.0112	0.0107	585.6771
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0588	0.5348	0.4493	3.2100e-003		0.0407	0.0407		0.0407	0.0407	0.0000	582.2173	582.2173	0.0112	0.0107	585.6771

PreZero Operation LST - Riverside-South Coast County, 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			
City Park	0	0.0000	0.0000	0.0000	0.0000
Manufacturing	3.34768e+006	593.6966	0.0501	6.0700e-003	596.7594
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		593.6966	0.0501	6.0700e-003	596.7594

PreZero Operation LST - Riverside-South Coast County, 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			
City Park	0	0.0000	0.0000	0.0000	0.0000
Manufacturing	3.34768e+006	593.6966	0.0501	6.0700e-003	596.7594
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		593.6966	0.0501	6.0700e-003	596.7594

6.0 Area Detail**6.1 Mitigation Measures Area**

PreZero Operation LST - Riverside-South Coast County, 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	1.4019	4.0000e-005	4.4400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.6200e-003	8.6200e-003	2.0000e-005	0.0000	9.1900e-003
Unmitigated	1.4019	4.0000e-005	4.4400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.6200e-003	8.6200e-003	2.0000e-005	0.0000	9.1900e-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	0.1608					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.2407					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.1000e-004	4.0000e-005	4.4400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.6200e-003	8.6200e-003	2.0000e-005	0.0000	9.1900e-003
Total	1.4019	4.0000e-005	4.4400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.6200e-003	8.6200e-003	2.0000e-005	0.0000	9.1900e-003

PreZero Operation LST - Riverside-South Coast County, 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	0.1608					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.2407					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.1000e-004	4.0000e-005	4.4400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.6200e-003	8.6200e-003	2.0000e-005	0.0000	9.1900e-003
Total	1.4019	4.0000e-005	4.4400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.6200e-003	8.6200e-003	2.0000e-005	0.0000	9.1900e-003

7.0 Water Detail

7.1 Mitigation Measures Water

PreZero Operation LST - Riverside-South Coast County, 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	211.4724	2.5587	0.0620	293.9021
Unmitigated	211.4724	2.5587	0.0620	293.9021

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 3.3004	6.5028	5.5000e-004	7.0000e-005	6.5364
Manufacturing	78.0399 / 0	204.9696	2.5581	0.0619	287.3657
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		211.4724	2.5587	0.0620	293.9021

PreZero Operation LST - Riverside-South Coast County, 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			
City Park	0 / 3.3004	6.5028	5.5000e-004	7.0000e-005	6.5364
Manufacturing	78.0399 / 0	204.9696	2.5581	0.0619	287.3657
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		211.4724	2.5587	0.0620	293.9021

8.0 Waste Detail

8.1 Mitigation Measures Waste

PreZero Operation LST - Riverside-South Coast County, 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	84.9923	5.0229	0.0000	210.5649
Unmitigated	84.9923	5.0229	0.0000	210.5649

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.24	0.0487	2.8800e-003	0.0000	0.1207
Manufacturing	418.46	84.9436	5.0200	0.0000	210.4442
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		84.9923	5.0229	0.0000	210.5649

PreZero Operation LST - Riverside-South Coast County, 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			
City Park	0.24	0.0487	2.8800e-003	0.0000	0.1207
Manufacturing	418.46	84.9436	5.0200	0.0000	210.4442
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		84.9923	5.0229	0.0000	210.5649

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	4	8.00	260	89	0.20	Diesel

PreZero Operation LST - Riverside-South Coast County, Annual

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

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Forklifts	0.0591	0.5486	0.6000	7.9000e-004		0.0363	0.0363		0.0334	0.0334	0.0000	69.8314	69.8314	0.0226	0.0000	70.3960
Total	0.0591	0.5486	0.6000	7.9000e-004		0.0363	0.0363		0.0334	0.0334	0.0000	69.8314	69.8314	0.0226	0.0000	70.3960

10.0 Stationary EquipmentFire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.5	50	2561	0.73	Diesel
Fire Pump	1	0.5	50	144	0.73	Diesel

Boilers

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

User Defined Equipment

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

11.0 Vegetation

PreZero Operation LST - Riverside-South Coast County, Summer

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

PreZero Operation LST
Riverside-South Coast County, Summer

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Manufacturing	337.47	1000sqft	7.75	337,468.00	0
Other Asphalt Surfaces	7.16	Acre	7.16	311,889.60	0
City Park	2.77	Acre	2.77	120,661.20	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Operational Analysis Only

Off-road Equipment - Operational Analysis Only

Grading -

Vehicle Trips - Local Operational Analysis

Fleet Mix - Used truck splits from EPD Solutions trip generation (2021)

Operational Off-Road Equipment - Project proposes 4 Forklifts.

PreZero Operation LST - Riverside-South Coast County, Summer

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

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	PhaseEndDate	7/30/2021	7/16/2021
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.53	0.27
tblFleetMix	LDT1	0.06	0.14
tblFleetMix	LDT2	0.17	0.14
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.14	0.37
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MHD	0.01	0.09
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	4.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	2,561.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	144.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	0.50
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	0.50
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	CC_TL	8.40	0.25
tblVehicleTrips	CNW_TL	6.90	0.25

PreZero Operation LST - Riverside-South Coast County, Summer

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

tblVehicleTrips	CW_TL	16.60	0.25
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	6.42	2.92
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	5.09	2.92
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	3.93	2.92

2.0 Emissions Summary

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

Unmitigated Construction

Mitigated Construction

[illegible]

PreZero Operation LST - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	7.6827	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810
Energy	0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262
Mobile	1.8590	1.0136	5.3424	3.6000e-003	0.1812	7.0300e-003	0.1883	0.0487	6.5500e-003	0.0553		366.2239	366.2239	0.1254	0.0728	391.0590
Offroad	0.4544	4.2196	4.6150	6.1100e-003		0.2795	0.2795		0.2572	0.2572	0.0000	592.1233	592.1233	0.1915		596.9109
Total	10.3184	8.1640	12.4545	0.0273	0.1812	0.5094	0.6906	0.0487	0.4866	0.5353	0.0000	4,475.0519	4,475.0519	0.3845	0.1373	4,525.5772

PreZero Operation LST - Riverside-South Coast County, Summer

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	7.6827	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810
Energy	0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262
Mobile	1.8590	1.0136	5.3424	3.6000e-003	0.1812	7.0300e-003	0.1883	0.0487	6.5500e-003	0.0553		366.2239	366.2239	0.1254	0.0728	391.0590
Offroad	0.4544	4.2196	4.6150	6.1100e-003		0.2795	0.2795		0.2572	0.2572	0.0000	592.1233	592.1233	0.1915		596.9109
Total	10.3184	8.1640	12.4545	0.0273	0.1812	0.5094	0.6906	0.0487	0.4866	0.5353	0.0000	4,475.0519	4,475.0519	0.3845	0.1373	4,525.5772

	ROG	NOx	CO	SO2	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	Site Preparation	Site Preparation	7/17/2021	7/16/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

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

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

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.2 Site Preparation - 2021

[illegible]

PreZero Operation LST - Riverside-South Coast County, Summer

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

3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

PreZero Operation LST - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.2 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

PreZero Operation LST - Riverside-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.8590	1.0136	5.3424	3.6000e-003	0.1812	7.0300e-003	0.1883	0.0487	6.5500e-003	0.0553		366.2239	366.2239	0.1254	0.0728	391.0590
Unmitigated	1.8590	1.0136	5.3424	3.6000e-003	0.1812	7.0300e-003	0.1883	0.0487	6.5500e-003	0.0553		366.2239	366.2239	0.1254	0.0728	391.0590

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Manufacturing	985.41	985.41	985.41	84,695	84,695
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	985.41	985.41	985.41	84,695	84,695

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Manufacturing	0.25	0.25	0.25	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.531022	0.055789	0.171983	0.143721	0.027315	0.007422	0.011813	0.018850	0.000630	0.000321	0.024273	0.001102	0.005759
Manufacturing	0.272819	0.136410	0.136410	0.365112	0.000000	0.000000	0.089249	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

PreZero Operation LST - Riverside-South Coast County, Summer

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

Other Asphalt Surfaces	0.531022	0.055789	0.171983	0.143721	0.027315	0.007422	0.011813	0.018850	0.000630	0.000321	0.024273	0.001102	0.005759
------------------------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262
NaturalGas Unmitigated	0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262

PreZero Operation LST - Riverside-South Coast County, Summer

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Manufacturing	29891.3	0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262

PreZero Operation LST - Riverside-South Coast County, Summer

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Manufacturing	29.8913	0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262

6.0 Area Detail

6.1 Mitigation Measures Area

PreZero Operation LST - Riverside-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	7.6827	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810
Unmitigated	7.6827	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.7986					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.3000e-003	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810
Total	7.6827	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810

PreZero Operation LST - Riverside-South Coast County, Summer

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.7986					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.3000e-003	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810
Total	7.6827	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	4	8.00	260	89	0.20	Diesel

PreZero Operation LST - Riverside-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Forklifts	0.4544	4.2196	4.6150	6.1100e-003		0.2795	0.2795		0.2572	0.2572	0.0000	592.1233	592.1233	0.1915		596.9109
Total	0.4544	4.2196	4.6150	6.1100e-003		0.2795	0.2795		0.2572	0.2572	0.0000	592.1233	592.1233	0.1915		596.9109

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.5	50	2561	0.73	Diesel
Fire Pump	1	0.5	50	144	0.73	Diesel

Boilers

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

User Defined Equipment

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

11.0 Vegetation

PreZero Operation LST - Riverside-South Coast County, Winter

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

PreZero Operation LST
Riverside-South Coast County, Winter

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Manufacturing	337.47	1000sqft	7.75	337,468.00	0
Other Asphalt Surfaces	7.16	Acre	7.16	311,889.60	0
City Park	2.77	Acre	2.77	120,661.20	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Operational Analysis Only

Off-road Equipment - Operational Analysis Only

Grading -

Vehicle Trips - Local Operational Analysis

Fleet Mix - Used truck splits from EPD Solutions trip generation (2021)

Operational Off-Road Equipment - Project proposes 4 Forklifts.

PreZero Operation LST - Riverside-South Coast County, Winter

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

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	PhaseEndDate	7/30/2021	7/16/2021
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.53	0.27
tblFleetMix	LDT1	0.06	0.14
tblFleetMix	LDT2	0.17	0.14
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.14	0.37
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MHD	0.01	0.09
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	4.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	2,561.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	144.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	0.50
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	0.50
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	CC_TL	8.40	0.25
tblVehicleTrips	CNW_TL	6.90	0.25

PreZero Operation LST - Riverside-South Coast County, Winter

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

tblVehicleTrips	CW_TL	16.60	0.25
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	6.42	2.92
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	5.09	2.92
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	3.93	2.92

2.0 Emissions Summary

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

Unmitigated Construction

[illegible]

Mitigated Construction

[illegible][illegible]

PreZero Operation LST - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	7.6827	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810
Energy	0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262
Mobile	1.4879	1.0397	5.9768	3.4700e-003	0.1812	7.1300e-003	0.1884	0.0487	6.6500e-003	0.0554		353.0281	353.0281	0.1452	0.0747	378.9144
Offroad	0.4544	4.2196	4.6150	6.1100e-003		0.2795	0.2795		0.2572	0.2572	0.0000	592.1233	592.1233	0.1915		596.9109
Total	9.9473	8.1901	13.0889	0.0272	0.1812	0.5095	0.6907	0.0487	0.4867	0.5354	0.0000	4,461.8561	4,461.8561	0.4043	0.1392	4,513.4326

PreZero Operation LST - Riverside-South Coast County, Winter

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	7.6827	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810
Energy	0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262
Mobile	1.4879	1.0397	5.9768	3.4700e-003	0.1812	7.1300e-003	0.1884	0.0487	6.6500e-003	0.0554		353.0281	353.0281	0.1452	0.0747	378.9144
Offroad	0.4544	4.2196	4.6150	6.1100e-003		0.2795	0.2795		0.2572	0.2572	0.0000	592.1233	592.1233	0.1915		596.9109
Total	9.9473	8.1901	13.0889	0.0272	0.1812	0.5095	0.6907	0.0487	0.4867	0.5354	0.0000	4,461.8561	4,461.8561	0.4043	0.1392	4,513.4326

	ROG	NOx	CO	SO2	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	Site Preparation	Site Preparation	7/17/2021	7/16/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

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

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

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.2 Site Preparation - 2021

[illegible]

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

Unmitigated Construction Off-Site

[illegible]

PreZero Operation LST - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.2 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	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

PreZero Operation LST - Riverside-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.4879	1.0397	5.9768	3.4700e-003	0.1812	7.1300e-003	0.1884	0.0487	6.6500e-003	0.0554		353.0281	353.0281	0.1452	0.0747	378.9144
Unmitigated	1.4879	1.0397	5.9768	3.4700e-003	0.1812	7.1300e-003	0.1884	0.0487	6.6500e-003	0.0554		353.0281	353.0281	0.1452	0.0747	378.9144

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Manufacturing	985.41	985.41	985.41	84,695	84,695
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	985.41	985.41	985.41	84,695	84,695

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Manufacturing	0.25	0.25	0.25	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.531022	0.055789	0.171983	0.143721	0.027315	0.007422	0.011813	0.018850	0.000630	0.000321	0.024273	0.001102	0.005759
Manufacturing	0.272819	0.136410	0.136410	0.365112	0.000000	0.000000	0.089249	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

PreZero Operation LST - Riverside-South Coast County, Winter

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

Other Asphalt Surfaces	0.531022	0.055789	0.171983	0.143721	0.027315	0.007422	0.011813	0.018850	0.000630	0.000321	0.024273	0.001102	0.005759
------------------------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262
NaturalGas Unmitigated	0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262

PreZero Operation LST - Riverside-South Coast County, Winter

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Manufacturing	29891.3	0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262

PreZero Operation LST - Riverside-South Coast County, Winter

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Manufacturing	29.8913	0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.3224	2.9305	2.4616	0.0176		0.2227	0.2227		0.2227	0.2227		3,516.6287	3,516.6287	0.0674	0.0645	3,537.5262

6.0 Area Detail

6.1 Mitigation Measures Area

PreZero Operation LST - Riverside-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	7.6827	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810
Unmitigated	7.6827	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.7986					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.3000e-003	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810
Total	7.6827	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810

PreZero Operation LST - Riverside-South Coast County, Winter

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.7986					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.3000e-003	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810
Total	7.6827	3.2000e-004	0.0355	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		0.0760	0.0760	2.0000e-004		0.0810

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	4	8.00	260	89	0.20	Diesel

PreZero Operation LST - Riverside-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Forklifts	0.4544	4.2196	4.6150	6.1100e-003		0.2795	0.2795		0.2572	0.2572	0.0000	592.1233	592.1233	0.1915		596.9109
Total	0.4544	4.2196	4.6150	6.1100e-003		0.2795	0.2795		0.2572	0.2572	0.0000	592.1233	592.1233	0.1915		596.9109

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.5	50	2561	0.73	Diesel
Fire Pump	1	0.5	50	144	0.73	Diesel

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Fuel Calculations

Model Output: OFFROAD2017 (v1.0.1) Emissions Inventory

Region Type: Sub-Area

Region: Riverside (SC)

Calendar Year: 2021

Scenario: All Adopted Rules - Exhaust

Vehicle Classification: OFFROAD2017 Equipment Types

Units: tons/day for Emissions, gallons/year for Fuel, hours/year for Activity, Horsepower-hours/year for Horsepower-hours

Region	Calendar Year	VehClass	MdlYr	HP_Bin	Fuel	Fuel Consumption	Horsepower Hours	Fuel Rate
Riverside (SC)	2021	ConstMin - Cranes	Aggregate	Aggregate	Diesel	701145.9725	47087946.34	0.014890
Riverside (SC)	2021	Industrial - Forklifts	Aggregate	Aggregate	Diesel	312291.8004	29898025.36	0.010445
Riverside (SC)	2021	ConstMin - Tractors/Loaders/Backhoes	Aggregate	Aggregate	Diesel	4332673.241	226434569.5	0.019134
Los Angeles (SC)	2021	OFF - Light Commercial - Air Compressors	Aggregate	Aggregate	Diesel	249554.15	9033560.2	0.027625

Source: EMFAC2017 (v1.0.3) Emissions Inventory

Region Type: Sub-Area

Region: Riverside (SC)

Calendar Year: 2021

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/year for VMT, trips/year for Trips, tons/year for Emissions, 1000 gallons/year for Fuel Consumption

Riverside (SC)	2021	MHDT	Aggregate	Aggregate	Diesel	228396300.2	21183.89128	10.78
----------------	------	------	-----------	-----------	--------	-------------	-------------	-------

Source: EMFAC2017 (v1.0.3) Emissions Inventory

Region Type: Sub-Area

Region: Riverside (SC)

Calendar Year: 2021

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/year for VMT, trips/year for Trips, tons/year for Emissions, 1000 gallons/year for Fuel Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	VMT	Fuel Consumption	
Riverside (SC)	2021	LDA	Aggregate	Aggregate	Gasoline	8083887120	258075.457	31.32
Riverside (SC)	2021	LDT1	Aggregate	Aggregate	Gasoline	770308510	28888.79995	26.66
Riverside (SC)	2021	LDT2	Aggregate	Aggregate	Gasoline	2452547570	98499.77995	24.90
							50/25/25 Split	28.55

Source: EMFAC2017 (v1.0.3) Emissions Inventory

Region Type: Sub-Area

Region: Riverside (SC)

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/year for VMT, trips/year for Trips, tons/year for Emissions, 1000 gallons/year for Fuel Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	VMT	Fuel Consumption
--------	---------------	------------------	------------	-------	------	-----	------------------

Riverside (SC)	2022 LDA	Aggregate	Aggregate	Gasoline	8224182944	255876.5259	32.14
Riverside (SC)	2022 LDT1	Aggregate	Aggregate	Gasoline	784889608.4	28670.08786	27.38
Riverside (SC)	2022 LDT2	Aggregate	Aggregate	Gasoline	2486397650	96428.35184	25.78
Riverside (SC)	2022 MDV	Aggregate	Aggregate	Gasoline	1942294285	94789.21819	20.49
						30/15/15/40 Split	25.81
Riverside (SC)	2022 MHDT	Aggregate	Aggregate	Diesel	230961081.1	20690.05836	11.16

Model Output: OFFROAD2017 (v1.0.1) Emissions Inventory

Region Type: Sub-Area

Region: Riverside (SC)

Calendar Year: 2022

Scenario: All Adopted Rules - Exhaust

Vehicle Classification: OFFROAD2017 Equipment Types

Units: tons/day for Emissions, gallons/year for Fuel, hours/year for Activity, Horsepower-hours/year for Horsepower-hours

Region	Calendar Year	VehClass	MdlYr	HP_Bin	Fuel	Fuel Consumption	Horsepower Hours	Fuel Rate
Riverside (SC)	2022	Industrial - Forklifts	Aggregate	Aggregate	Diesel	322691.2028	30896088.4	0.010444
Riverside (SC)	2022	OFF - Light Commercial - Generator Sets	Aggregate	Aggregate	Diesel	137426.15	3247813.8	0.042313
Riverside (SC)	2022	OFF - Light Commercial - Pumps	Aggregate	Aggregate	Diesel	75978.4	1793942.15	0.042353