

ENVIRONMENT | PLANNING | DEVELOPMENT SOLUTIONS, INC.

To: Meaghan Truman
From: Alex J. Garber
Date: 8/3/2021
Re: Air Quality, Energy, and Greenhouse Gas Impact Analysis for the Alessandro & Old 215 Industrial Business Park Project

This technical memorandum presents an analysis of the Air Quality, Energy and Greenhouse Gas (GHG) impacts for the proposed Alessandro & Old 215 Industrial Business Park project (project; proposed project), located in Edgemont community of Moreno Valley (APNs 263-220-002,-018,-017,-023,-009,-004,-028,-008,-027,-029). The project proposes the construction of 6 speculative warehouse/industrial buildings totaling 196,909square feet (SF). The project would not include any improvements or changes to the existing American Legion building. For consistency with the project's traffic study, the buildings were analyzed as follows:

- Building A – 49,999 sf Warehouse
- Building B – 26,368 sf General Light Industrial
- Building C – 29,750 sf General Light Industrial
- Building D – 40,037 sf Warehouse
- Building E – 23,567 sf General Light Industrial
- Building F – 23,289 sf General Light Industrial

This analysis and modeling was based on an older site plan, building square footage has since been reduced. As such the modeling provides a conservative analysis of potential impacts. 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). Modeling was based on an older site plan, building square footage has since been reduced. As such the modeling provides a conservative analysis of potential impacts. Construction is anticipated to last for approximately 18 months. 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; and
- Crawler Tractors were used instead of Tractors/Loaders/Backhoes for Site Preparation and Grading.

Table 1. Construction Schedule

Construction Activity	Start Date	End Date	Total Days
Demolition	1/1/2022	1/28/2022	20
Site Preparation	1/29/2022	2/11/2022	10
Grading	2/12/2022	3/25/2022	30
Building Construction	3/26/2022	5/19/2023	300
Paving	5/20/2023	6/16/2023	20
Architectural Coating	6/17/2023	7/28/2023	30

Table 2. Anticipated Construction Equipment Usage

Construction Activity	Equipment	Number	Hours per day	Horse- power	Load Factor
Demolition	Concrete/Industrial Saws	1	8	81	0.73
	Excavators	3	8	158	0.38
	Rubber Tired Dozers	2	8	247	0.4
Site Preparation	Crawler Tractors	4	8	212	0.43
	Rubber Tired Dozers	3	8	247	0.4
Grading	Crawler Tractors	2	8	212	0.43
	Excavators	2	8	158	0.38
	Graders	1	8	187	0.41
	Rubber Tired Dozers	1	8	247	0.4
Building Construction	Scrapers	2	8	367	0.48
	Cranes	1	8	231	0.29
	Forklifts	3	8	89	0.2
	Generator Sets	1	8	84	0.74
	Tractors/Loaders/Backhoes	3	8	97	0.37
Paving	Welders	1	8	46	0.45
	Pavers	2	8	130	0.42
	Paving Equipment	2	8	132	0.36
Architectural Coating	Rollers	2	8	80	0.38
	Air Compressors	1	8	78	0.48

Table 3. Construction Vehicle Trips

Construction Activity	Worker Trip Number (Daily)	Vendor Trip Number (Daily)	Hauling Trip Number (Total)
Demolition	15	0	184
Site Preparation	18	0	0
Grading	20	0	0
Building Construction	210	82	0
Paving	15	0	0
Architectural Coating	42	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 significantly 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 nor is it less efficient than other similar construction sites. The operation of the project is also similar to other industrial projects and would comply with Title 24 and all applicable city business and energy codes and ordinances.

GHG

The proposed project's net GHG emissions of 3,680 MTCO_{2e} per year are below the SCAQMD and City of Moreno Valley significance threshold of 10,000 MTCO_{2e} 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 pollutants² 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, SCAQMD's 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 from onsite sources (such as off-road construction equipment and fugitive dust) and offsite sources (vehicle travel leaving and arriving at the site). As shown in Table 1 and Table 2, the project would have less than significant regional air quality impacts.

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>

² Criteria pollutants are the only air pollutants with national air quality standards that define allowable concentrations of these substances in ambient air. Criteria pollutants include carbon monoxide (CO), oxides of nitrogen (NO_x), sulfur dioxide (SO_x), and particulate matter (PM₁₀ and PM_{2.5}). Note that ozone is another criteria pollutant; however, in terms of defining significance thresholds, ozone is represented as a threshold by its precursor components, oxides of nitrogen (NO_x) and reactive organic gases.

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
2022						
Demolition	2.7	27.0	21.5	0.0	2.4	1.4
Site Prep	4.5	50.5	20.7	0.1	10.9	6.1
Grading	4.4	47.6	30.0	0.1	6.1	3.3
Building Construction	2.8	21.0	27.0	0.1	3.8	1.6
Maximum Daily Emissions	4.5	50.5	30.0	0.1	10.9	6.1
2023						
Building Construction	2.5	18.8	26.1	0.1	3.7	1.5
Paving	1.8	10.2	15.1	0.0	0.7	0.5
Architectural Coating	63.6	1.8	4.0	0.0	0.6	0.2
Maximum Daily Emissions	63.6	18.8	26.1	0.1	3.7	1.5
Maximum Daily Emissions 2022-2023	63.6	50.5	30.0	0.1	10.9	6.1
SCAQMD Significance Thresholds	75	100	550	150	150	55
Threshold Exceeded?	No	No	No	No	No	No

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	4.5	0.0	0.0	0.0	0.0	0.0
Energy	0.1	0.9	0.8	0.0	0.1	0.1
Mobile	1.6	23.4	21.6	0.2	10.4	3.0
Offroad	0.1	4.3	55.6	0.0	0.1	0.1
Stationary	2.3	6.5	6.0	0.0	0.3	0.3
Total Project Operational Emissions	8.6	35.1	84	0.2	10.9	3.5
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 standard³. The differences between regional thresholds and LSTs are as follows:

³ SCAQMD 2008: Final Localized Significance Threshold Methodology.

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

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)⁴ 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 area to be disturbed, The SCAQMD Fact Sheet for Applying CalEEMod to Localized Significance Threshold⁵ was used to calculate the appropriate disturbed area. The thresholds are determined by:

- 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 24, Perris Valley),
- Size of the project,
- Distance to the nearest sensitive receptor.

The project would disturb a maximum of 4 acres per day during grading activities (2 scrapers at 1 acre per day, and 2 crawler tractors, 1 Grader, and 1 Rubber Tired Dozer at .5 acres per day); therefore the thresholds between 2 acres and 5 acres from Appendix C were interpolated to provide the LSTs for a 4-acre daily disturbance. Distance to the nearest sensitive receptor also determines the emission thresholds. The sensitive receptors closest to the project include residences to the north of the project site, about 8 feet (2.5 meters) from the area where construction would occur. The shortest receptor distance within the LST look-up tables is 25 meters. Therefore, a distance of 25 meters was used as the appropriate receptor distance. 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 11.46 acres; greater than 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 since the LSTs for a 11.46 acre project would be greater than the thresholds for a 5-acre project as the thresholds increase with the size of the project. To calculate the localized mobile emissions, a distance of 0.2 miles was used to capture the average distance a vehicle would take to exit the site. Table 7: *Localized Operational Emission Estimates* shows the thresholds and estimated maximum daily operational emissions for the proposed project. As seen in Table 7, the proposed project has a less than significant localized operational air quality impact.

⁴ 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>

⁵ 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)

Table 6. Localized Construction Emission Estimates

Construction Activity	Maximum Daily Regional Emissions (pounds/day)			
	NO _x	CO	PM-10	PM-2.5
2022				
Demolition	25.7	20.6	2.0	1.3
Site Prep	50.4	20.0	10.7	6.0
Grading	47.5	29.2	5.9	3.2
Building Construction	16.8	17.4	0.9	0.8
Maximum Daily Emissions	50.4	29.2	10.7	6.0
2023				
Building Construction	15.4	17.3	0.7	0.7
Paving	10.2	14.6	0.5	0.5
Architectural Coating	1.7	2.4	0.1	0.1
Maximum Daily Emissions	15.4	17.3	0.7	0.7
Maximum Daily Emission 2022-2023	50.4	20.6	10.7	6.0
SCAQMD Significance Thresholds	236.7	1,345.7	11	6.7
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	0.9	0.8	0.1	0.1
Mobile	2.3	4.5	0.1	0.0
Offroad	4.3	55.6	0.1	0.1
Stationary	6.5	6.0	0.3	0.3
Total Project Operational Emissions	14	66.9	0.6	0.5
SCAQMD Significance Thresholds	270	1,577	4	2
Threshold Exceeded?	No	No	No	No

Energy

The State CEQA Guidelines do not have specific numerical thresholds for energy consumption. Rather, the question in CEQA 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 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 electricity 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. It was 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 provides a conservative analysis and would likely overstate the amount of fuel usage, as specific construction equipment would not be 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)
Demolition	Concrete/Industrial Saws	1	8	81	0.73	20	9461	0.041939	397
	Excavators	3	8	158	0.38	20	28819	0.019856	572
	Rubber Tired Dozers	2	8	247	0.4	20	31616	0.020601	651
Site Preparation	Crawler Tractors	4	8	212	0.43	10	29171	0.022176	647
	Rubber Tired Dozers	3	8	247	0.4	10	23712	0.020601	488
	Crawler Tractors	2	8	212	0.43	30	43757	0.022176	970
Grading	Excavators	2	8	158	0.38	30	28819	0.019856	572
	Graders	1	8	187	0.41	30	18401	0.021161	389
	Rubber Tired Dozers	1	8	247	0.4	30	23712	0.020601	488
	Scrapers	2	8	367	0.48	30	72226	0.024989	1805
	Cranes	1	8	231	0.29	300	160776	0.014895	2395
Building Construction	Forklifts	3	8	89	0.2	300	128160	0.010444	1339
	Generator Sets	1	8	84	0.74	300	149184	0.042313	6312
	Tractors/Loaders/Backhoes	3	8	97	0.37	300	258408	0.019147	4948
	Welders	1	8	46	0.45	300	49680	0.025818	1283
	Pavers	2	8	130	0.42	20	17472	0.021532	376
Paving	Paving Equipment	2	8	132	0.36	20	15206	0.018465	281
	Rollers	2	8	80	0.38	20	9728	0.019836	193
	Air Compressors	1	8	78	0.48	30	8986	0.027579	248
Architectural Coating	Air Compressors	1	8	78	0.48	30	8986	0.027579	248
								Total	24,354

Table 9. Estimated Construction Vehicle Fuel Usage

Construction Source	Number	VMT	Fuel Rate (miles/gallon)	Gallons of Diesel Fuel	Gallons of Gasoline Fuel
Haul Trucks	184	73,600	7.14	10,308	0
Vendor Trucks	82	169,740	11.16	15,210	0
Worker Vehicles	320	964,908	29.36	0	32,865
Total				25,518	32,865

Table 10. Total Construction Fuel Usage

Construction Source	Gallons of Diesel Fuel	Gallons of Gasoline Fuel
Construction Vehicles	25,518	32,865
Off-road Construction Equipment	24,354	0
Total	49,872	32,865

Operation

During operation, the proposed project would consume electricity, natural gas, and petroleum. The 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. The natural gas consumed by the forklifts were added to the CalEEMod Output value, and the fuel rate 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	3,518,161	
Petroleum (gasoline) Consumption		
	Annual VMT	Gallons of Gasoline Fuel
Project	2,114,404	69,967
Diesel Consumption		
	Annual VMT	Gallons of Diesel Fuel ⁶
Project	2,047,760	162,312

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

⁶Operation of trucks and emergency fire pumps.

agency. The last working group was held September 2010 (Meeting No. 15)⁷ 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 CO_{2e} per year
- Option 2: Based on land use type: residential: 3,500 MT CO_{2e} per year; commercial: 1,400 MT CO_{2e} per year; or mixed use: 3,000 MT CO_{2e} 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. For projects where SCAQMD is the Lead Agency, the SCAQMD adopted a stationary source GHG significance threshold of 10,000 MTCO_{2e} per year for industrial projects. This approach is also widely used by the City of Moreno Valley and various other cities within the South Coast Air Basin, where SCAQMD is a permitting agency. Therefore, the threshold of 10,000 MT CO_{2e} 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 and adding the amortized construction emissions to the operational emissions to determine the total project greenhouse gas emissions.

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. As shown in Table 13, the total project GHG emissions are 3,680 MT CO_{2e} per year, which is below the 10,000 MT CO_{2e} 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 _{2e})
2022	749
2023	319
Total Construction Emissions	1068
Total Emissions Amortized Over 30 Years	36

⁷ 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)

Table 13. Project Total GHG Emissions

Activity	Annual GHG Emissions (MTCO ₂ e)
Project Operational Emissions	
Area	0
Energy	410
Mobile	2,790
Offroad	138
Stationary	27
Waste	109
Water	170
Subtotal	3,644
Amortized Construction Emissions	36
Total Emissions	3,680
Significance Threshold	10,000
Threshold Exceeded?	No

Figure 1: Project Site

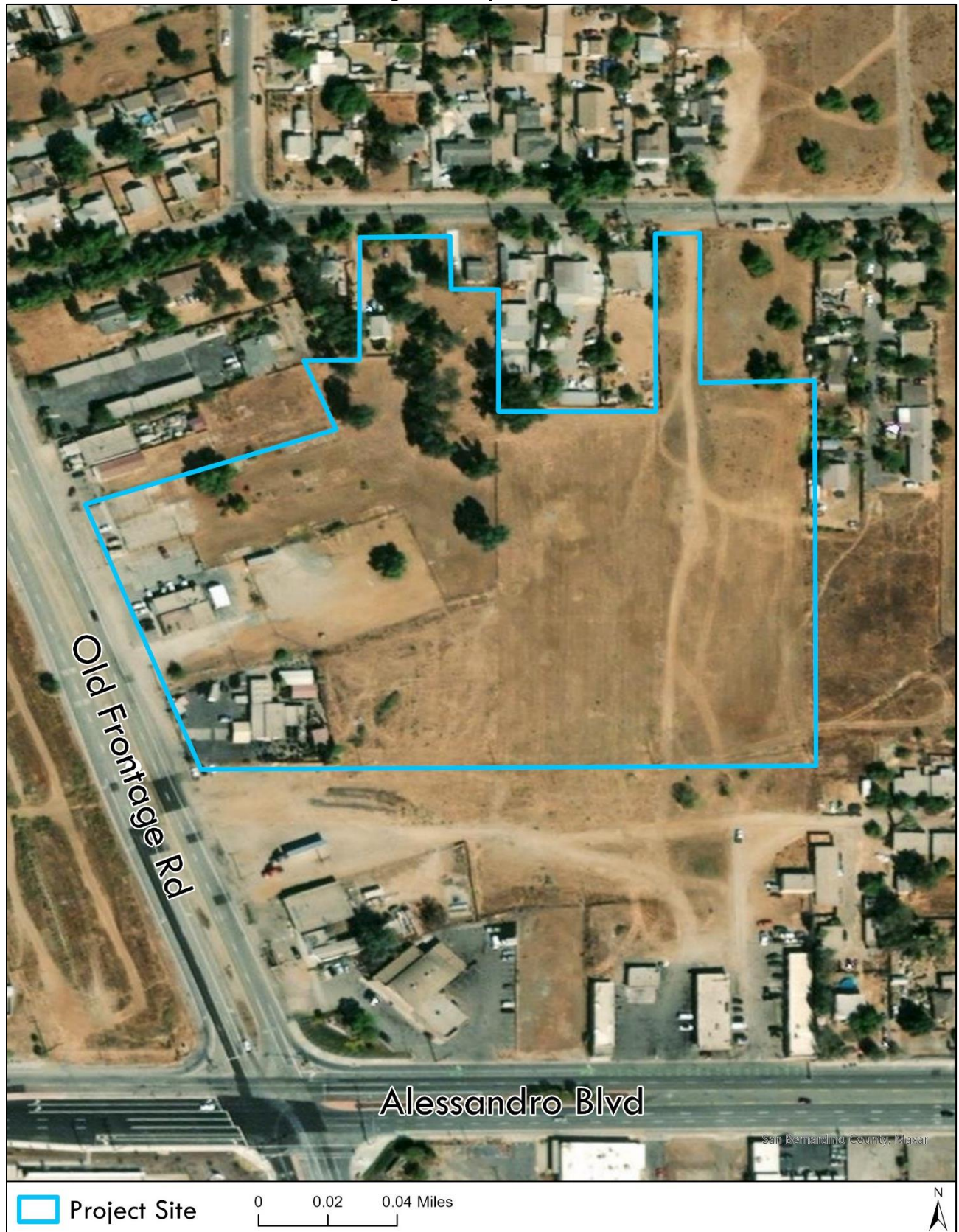
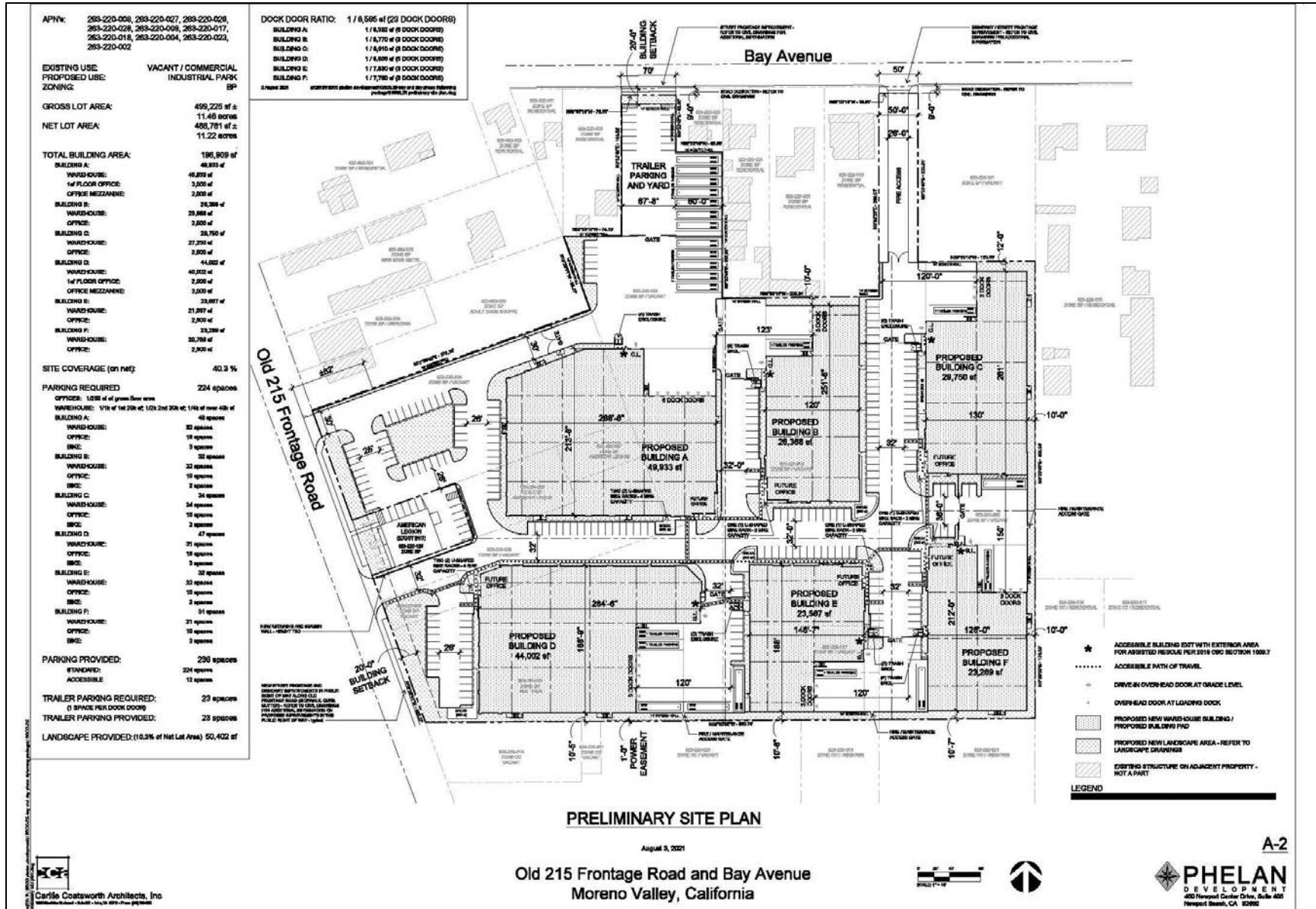


Figure 2: Project Site Plan



CalEEMod Sheets Construction and Truck Operation

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Annual

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

Alessandro & Old 215 Frontage Industrial Park (Trucks)

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	26.37	1000sqft	0.61	26,368.00	0
General Light Industry	29.75	1000sqft	0.68	29,750.00	0
General Light Industry	23.57	1000sqft	0.54	23,567.00	0
General Light Industry	23.29	1000sqft	0.53	23,289.00	0
Unrefrigerated Warehouse-No Rail	50.00	1000sqft	1.15	49,999.00	0
Unrefrigerated Warehouse-No Rail	44.04	1000sqft	1.01	44,037.00	0
Other Asphalt Surfaces	5.78	Acre	5.78	251,776.80	0
City Park	1.16	Acre	1.16	50,529.60	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	390.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Based on opening year 2023

Off-road Equipment - Crawler Tractors in place of Tractors/Loaders/Backhoes

Off-road Equipment - Crawler Tractors in place of Tractors/Loaders/Backhoes

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Annual

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

Off-road Equipment - Assumed 8hr Work Day

Off-road Equipment -

Off-road Equipment - Assumed 8hr Work Day

Vehicle Trips - Based on Project Trip Generation (Translutions 2021) and SCAQMD Truck Distances

Fleet Mix - Truck Analysis Only, truck splits from Project Trip Gen (Translutions 2021)

Operational Off-Road Equipment - 1 Forklift per building

Stationary Sources - Emergency Generators and Fire Pumps -

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	30.00
tblFleetMix	HHD	0.02	0.44
tblFleetMix	HHD	0.02	0.63
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.03	0.19
tblFleetMix	LHD1	0.03	0.08
tblFleetMix	LHD2	7.3100e-003	0.19
tblFleetMix	LHD2	7.3100e-003	0.08
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MDV	0.14	0.00

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Annual

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

tblFleetMix	MH	5.4680e-003	0.00
tblFleetMix	MH	5.4680e-003	0.00
tblFleetMix	MHD	0.01	0.18
tblFleetMix	MHD	0.01	0.21
tblFleetMix	OBUS	6.1600e-004	0.00
tblFleetMix	OBUS	6.1600e-004	0.00
tblFleetMix	SBUS	1.1000e-003	0.00
tblFleetMix	SBUS	1.1000e-003	0.00
tblFleetMix	UBUS	3.1500e-004	0.00
tblFleetMix	UBUS	3.1500e-004	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	6.00
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	238.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	1.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	6.00
tblVehicleTrips	CC_TL	8.40	40.00
tblVehicleTrips	CC_TL	8.40	40.00
tblVehicleTrips	CNW_TL	6.90	40.00
tblVehicleTrips	CNW_TL	6.90	40.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TL	16.60	40.00

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

tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	1.99	0.43
tblVehicleTrips	ST_TR	1.74	0.54
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	5.00	1.07
tblVehicleTrips	SU_TR	1.74	0.54
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	4.96	1.06
tblVehicleTrips	WD_TR	1.74	0.54

2.0 Emissions Summary

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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					
2022	0.3831	3.3336	3.3469	8.2000e-003	0.5730	0.1446	0.7177	0.1895	0.1351	0.3245	0.0000	737.5123	737.5123	0.1156	0.0273	748.5364
2023	1.0946	1.0676	1.4577	3.4700e-003	0.1499	0.0457	0.1956	0.0404	0.0429	0.0833	0.0000	313.7828	313.7828	0.0401	0.0127	318.5708
Maximum	1.0946	3.3336	3.3469	8.2000e-003	0.5730	0.1446	0.7177	0.1895	0.1351	0.3245	0.0000	737.5123	737.5123	0.1156	0.0273	748.5364

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					
2022	0.3831	3.3336	3.3469	8.2000e-003	0.4005	0.1446	0.5451	0.1216	0.1351	0.2567	0.0000	737.5119	737.5119	0.1156	0.0273	748.5359
2023	1.0946	1.0676	1.4577	3.4700e-003	0.1499	0.0457	0.1956	0.0404	0.0429	0.0833	0.0000	313.7827	313.7827	0.0401	0.0127	318.5706
Maximum	1.0946	3.3336	3.3469	8.2000e-003	0.4005	0.1446	0.5451	0.1216	0.1351	0.2567	0.0000	737.5119	737.5119	0.1156	0.0273	748.5359

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	23.87	0.00	18.90	29.52	0.00	16.63	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)
2	10-26-2021	1-25-2022	0.2654	0.2654
3	1-26-2022	4-25-2022	1.3466	1.3466
4	4-26-2022	7-25-2022	0.7653	0.7653
5	7-26-2022	10-25-2022	0.7750	0.7750
6	10-26-2022	1-25-2023	0.7566	0.7566
7	1-26-2023	4-25-2023	0.6819	0.6819
8	4-26-2023	7-25-2023	1.2134	1.2134
9	7-26-2023	9-30-2023	0.0701	0.0701
		Highest	1.3466	1.3466

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.8237	2.0000e-005	2.6000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.0600e-003	5.0600e-003	1.0000e-005	0.0000	5.3900e-003
Energy	0.0190	0.1725	0.1449	1.0300e-003		0.0131	0.0131		0.0131	0.0131	0.0000	407.5917	407.5917	0.0222	5.6900e-003	409.8415
Mobile	0.0869	3.8344	0.9532	0.0218	0.8993	0.0429	0.9422	0.2544	0.0410	0.2954	0.0000	2,091.5561	2,091.5561	0.0219	0.2920	2,179.1194
Offroad	0.0114	0.5533	7.2296	1.1900e-003		8.9200e-003	8.9200e-003		8.9200e-003	8.9200e-003	0.0000	136.8263	136.8263	0.0443	0.0000	137.9326
Stationary	0.0586	0.1638	0.1494	2.8000e-004		8.6200e-003	8.6200e-003		8.6200e-003	8.6200e-003	0.0000	27.1889	27.1889	3.8100e-003	0.0000	27.2842
Waste						0.0000	0.0000		0.0000	0.0000	43.8826	0.0000	43.8826	2.5934	0.0000	108.7173
Water						0.0000	0.0000		0.0000	0.0000	14.4536	107.9278	122.3814	1.4936	0.0362	170.4971
Total	0.9995	4.7239	8.4797	0.0243	0.8993	0.0735	0.9728	0.2544	0.0716	0.3261	58.3362	2,771.0959	2,829.4321	4.1792	0.3339	3,033.3975

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.8237	2.0000e-005	2.6000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.0600e-003	5.0600e-003	1.0000e-005	0.0000	5.3900e-003
Energy	0.0190	0.1725	0.1449	1.0300e-003		0.0131	0.0131		0.0131	0.0131	0.0000	407.5917	407.5917	0.0222	5.6900e-003	409.8415
Mobile	0.0869	3.8344	0.9532	0.0218	0.8993	0.0429	0.9422	0.2544	0.0410	0.2954	0.0000	2,091.5561	2,091.5561	0.0219	0.2920	2,179.1194
Offroad	0.0114	0.5533	7.2296	1.1900e-003		8.9200e-003	8.9200e-003		8.9200e-003	8.9200e-003	0.0000	136.8263	136.8263	0.0443	0.0000	137.9326
Stationary	0.0586	0.1638	0.1494	2.8000e-004		8.6200e-003	8.6200e-003		8.6200e-003	8.6200e-003	0.0000	27.1889	27.1889	3.8100e-003	0.0000	27.2842
Waste						0.0000	0.0000		0.0000	0.0000	43.8826	0.0000	43.8826	2.5934	0.0000	108.7173
Water						0.0000	0.0000		0.0000	0.0000	14.4536	107.9278	122.3814	1.4936	0.0362	170.4971
Total	0.9995	4.7239	8.4797	0.0243	0.8993	0.0735	0.9728	0.2544	0.0716	0.3261	58.3362	2,771.0959	2,829.4321	4.1792	0.3339	3,033.3975

	ROG	NOx	CO	SO2	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

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

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2022	1/28/2022	5	20	
2	Site Preparation	Site Preparation	1/29/2022	2/11/2022	5	10	
3	Grading	Grading	2/12/2022	3/25/2022	5	30	
4	Building Construction	Building Construction	3/26/2022	5/19/2023	5	300	
5	Paving	Paving	5/20/2023	6/16/2023	5	20	
6	Architectural Coating	Architectural Coating	6/17/2023	7/28/2023	5	30	

Acres of Grading (Site Preparation Phase): 35

Acres of Grading (Grading Phase): 120

Acres of Paving: 5.78

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 295,515; Non-Residential Outdoor: 98,505; Striped Parking Area: 15,107 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Crawler Tractors	4	8.00	212	0.43
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Crawler Tractors	2	8.00	212	0.43
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37

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Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	8.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	184.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	210.00	82.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	42.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

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

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0201	0.0000	0.0201	3.0400e-003	0.0000	3.0400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0264	0.2572	0.2059	3.9000e-004		0.0124	0.0124		0.0116	0.0116	0.0000	33.9902	33.9902	9.5500e-003	0.0000	34.2289
Total	0.0264	0.2572	0.2059	3.9000e-004	0.0201	0.0124	0.0325	3.0400e-003	0.0116	0.0146	0.0000	33.9902	33.9902	9.5500e-003	0.0000	34.2289

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	2.9000e-004	0.0124	2.6400e-003	5.0000e-005	1.5900e-003	1.4000e-004	1.7200e-003	4.4000e-004	1.3000e-004	5.7000e-004	0.0000	5.1207	5.1207	7.0000e-005	8.1000e-004	5.3629
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	5.2000e-004	4.1000e-004	5.1100e-003	1.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3037	1.3037	3.0000e-005	4.0000e-005	1.3153
Total	8.1000e-004	0.0128	7.7500e-003	6.0000e-005	3.2400e-003	1.5000e-004	3.3800e-003	8.8000e-004	1.4000e-004	1.0200e-003	0.0000	6.4244	6.4244	1.0000e-004	8.5000e-004	6.6782

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

3.2 Demolition - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.8200e-003	0.0000	7.8200e-003	1.1800e-003	0.0000	1.1800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0264	0.2572	0.2059	3.9000e-004		0.0124	0.0124		0.0116	0.0116	0.0000	33.9902	33.9902	9.5500e-003	0.0000	34.2289
Total	0.0264	0.2572	0.2059	3.9000e-004	7.8200e-003	0.0124	0.0203	1.1800e-003	0.0116	0.0127	0.0000	33.9902	33.9902	9.5500e-003	0.0000	34.2289

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	2.9000e-004	0.0124	2.6400e-003	5.0000e-005	1.5900e-003	1.4000e-004	1.7200e-003	4.4000e-004	1.3000e-004	5.7000e-004	0.0000	5.1207	5.1207	7.0000e-005	8.1000e-004	5.3629
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	5.2000e-004	4.1000e-004	5.1100e-003	1.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3037	1.3037	3.0000e-005	4.0000e-005	1.3153
Total	8.1000e-004	0.0128	7.7500e-003	6.0000e-005	3.2400e-003	1.5000e-004	3.3800e-003	8.8000e-004	1.4000e-004	1.0200e-003	0.0000	6.4244	6.4244	1.0000e-004	8.5000e-004	6.6782

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

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1089	0.0000	0.1089	0.0517	0.0000	0.0517	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0224	0.2521	0.1000	2.8000e-004		0.0108	0.0108		9.9300e-003	9.9300e-003	0.0000	25.0258	25.0258	8.0900e-003	0.0000	25.2281
Total	0.0224	0.2521	0.1000	2.8000e-004	0.1089	0.0108	0.1197	0.0517	9.9300e-003	0.0616	0.0000	25.0258	25.0258	8.0900e-003	0.0000	25.2281

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	2.4000e-004	3.0700e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	0.0000	2.7000e-004	0.0000	0.7822	0.7822	2.0000e-005	2.0000e-005	0.7892
Total	3.1000e-004	2.4000e-004	3.0700e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	0.0000	2.7000e-004	0.0000	0.7822	0.7822	2.0000e-005	2.0000e-005	0.7892

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

3.3 Site Preparation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0425	0.0000	0.0425	0.0202	0.0000	0.0202	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0224	0.2521	0.1000	2.8000e-004		0.0108	0.0108		9.9300e-003	9.9300e-003	0.0000	25.0257	25.0257	8.0900e-003	0.0000	25.2281
Total	0.0224	0.2521	0.1000	2.8000e-004	0.0425	0.0108	0.0533	0.0202	9.9300e-003	0.0301	0.0000	25.0257	25.0257	8.0900e-003	0.0000	25.2281

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	2.4000e-004	3.0700e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	0.0000	2.7000e-004	0.0000	0.7822	0.7822	2.0000e-005	2.0000e-005	0.7892
Total	3.1000e-004	2.4000e-004	3.0700e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	0.0000	2.7000e-004	0.0000	0.7822	0.7822	2.0000e-005	2.0000e-005	0.7892

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

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1540	0.0000	0.1540	0.0565	0.0000	0.0565	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0642	0.7126	0.4379	1.0700e-003		0.0286	0.0286		0.0263	0.0263	0.0000	94.2610	94.2610	0.0305	0.0000	95.0231
Total	0.0642	0.7126	0.4379	1.0700e-003	0.1540	0.0286	0.1826	0.0565	0.0263	0.0829	0.0000	94.2610	94.2610	0.0305	0.0000	95.0231

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	1.0500e-003	8.2000e-004	0.0102	3.0000e-005	3.3000e-003	2.0000e-005	3.3100e-003	8.8000e-004	2.0000e-005	8.9000e-004	0.0000	2.6074	2.6074	7.0000e-005	7.0000e-005	2.6306
Total	1.0500e-003	8.2000e-004	0.0102	3.0000e-005	3.3000e-003	2.0000e-005	3.3100e-003	8.8000e-004	2.0000e-005	8.9000e-004	0.0000	2.6074	2.6074	7.0000e-005	7.0000e-005	2.6306

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3.4 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0600	0.0000	0.0600	0.0220	0.0000	0.0220	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0642	0.7126	0.4379	1.0700e-003		0.0286	0.0286		0.0263	0.0263	0.0000	94.2609	94.2609	0.0305	0.0000	95.0230
Total	0.0642	0.7126	0.4379	1.0700e-003	0.0600	0.0286	0.0887	0.0220	0.0263	0.0484	0.0000	94.2609	94.2609	0.0305	0.0000	95.0230

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	1.0500e-003	8.2000e-004	0.0102	3.0000e-005	3.3000e-003	2.0000e-005	3.3100e-003	8.8000e-004	2.0000e-005	8.9000e-004	0.0000	2.6074	2.6074	7.0000e-005	7.0000e-005	2.6306
Total	1.0500e-003	8.2000e-004	0.0102	3.0000e-005	3.3000e-003	2.0000e-005	3.3100e-003	8.8000e-004	2.0000e-005	8.9000e-004	0.0000	2.6074	2.6074	7.0000e-005	7.0000e-005	2.6306

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3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1815	1.6767	1.7439	2.8800e-003		0.0865	0.0865		0.0812	0.0812	0.0000	248.3103	248.3103	0.0609	0.0000	249.8322
Total	0.1815	1.6767	1.7439	2.8800e-003		0.0865	0.0865		0.0812	0.0812	0.0000	248.3103	248.3103	0.0609	0.0000	249.8322

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	0.0130	0.3640	0.1226	1.4900e-003	0.0518	5.0000e-003	0.0568	0.0150	4.7900e-003	0.0197	0.0000	143.5964	143.5964	1.5100e-003	0.0213	149.9840
Worker	0.0734	0.0572	0.7154	1.9800e-003	0.2308	1.1700e-003	0.2320	0.0613	1.0800e-003	0.0624	0.0000	182.5148	182.5148	4.8700e-003	5.0500e-003	184.1421
Total	0.0864	0.4211	0.8380	3.4700e-003	0.2826	6.1700e-003	0.2888	0.0762	5.8700e-003	0.0821	0.0000	326.1111	326.1111	6.3800e-003	0.0264	334.1261

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3.5 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1815	1.6767	1.7439	2.8800e-003		0.0865	0.0865		0.0812	0.0812	0.0000	248.3100	248.3100	0.0609	0.0000	249.8319
Total	0.1815	1.6767	1.7439	2.8800e-003		0.0865	0.0865		0.0812	0.0812	0.0000	248.3100	248.3100	0.0609	0.0000	249.8319

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	0.0130	0.3640	0.1226	1.4900e-003	0.0518	5.0000e-003	0.0568	0.0150	4.7900e-003	0.0197	0.0000	143.5964	143.5964	1.5100e-003	0.0213	149.9840
Worker	0.0734	0.0572	0.7154	1.9800e-003	0.2308	1.1700e-003	0.2320	0.0613	1.0800e-003	0.0624	0.0000	182.5148	182.5148	4.8700e-003	5.0500e-003	184.1421
Total	0.0864	0.4211	0.8380	3.4700e-003	0.2826	6.1700e-003	0.2888	0.0762	5.8700e-003	0.0821	0.0000	326.1111	326.1111	6.3800e-003	0.0264	334.1261

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3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0837	0.7719	0.8655	1.4400e-003		0.0374	0.0374		0.0352	0.0352	0.0000	124.2006	124.2006	0.0303	0.0000	124.9569
Total	0.0837	0.7719	0.8655	1.4400e-003		0.0374	0.0374		0.0352	0.0352	0.0000	124.2006	124.2006	0.0303	0.0000	124.9569

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	4.4400e-003	0.1406	0.0560	7.2000e-004	0.0259	1.1700e-003	0.0271	7.4700e-003	1.1200e-003	8.5900e-003	0.0000	68.9827	68.9827	7.0000e-004	0.0102	72.0398
Worker	0.0341	0.0253	0.3296	9.6000e-004	0.1154	5.5000e-004	0.1160	0.0307	5.1000e-004	0.0312	0.0000	88.8648	88.8648	2.1900e-003	2.3300e-003	89.6140
Total	0.0385	0.1658	0.3856	1.6800e-003	0.1413	1.7200e-003	0.1430	0.0381	1.6300e-003	0.0397	0.0000	157.8475	157.8475	2.8900e-003	0.0125	161.6538

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3.5 Building Construction - 2023

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	0.0837	0.7719	0.8655	1.4400e-003		0.0374	0.0374		0.0352	0.0352	0.0000	124.2004	124.2004	0.0303	0.0000	124.9568
Total	0.0837	0.7719	0.8655	1.4400e-003		0.0374	0.0374		0.0352	0.0352	0.0000	124.2004	124.2004	0.0303	0.0000	124.9568

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	4.4400e-003	0.1406	0.0560	7.2000e-004	0.0259	1.1700e-003	0.0271	7.4700e-003	1.1200e-003	8.5900e-003	0.0000	68.9827	68.9827	7.0000e-004	0.0102	72.0398
Worker	0.0341	0.0253	0.3296	9.6000e-004	0.1154	5.5000e-004	0.1160	0.0307	5.1000e-004	0.0312	0.0000	88.8648	88.8648	2.1900e-003	2.3300e-003	89.6140
Total	0.0385	0.1658	0.3856	1.6800e-003	0.1413	1.7200e-003	0.1430	0.0381	1.6300e-003	0.0397	0.0000	157.8475	157.8475	2.8900e-003	0.0125	161.6538

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3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0103	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003	0.0000	20.0269	20.0269	6.4800e-003	0.0000	20.1888
Paving	7.5700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0179	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003	0.0000	20.0269	20.0269	6.4800e-003	0.0000	20.1888

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	3.6000e-004	4.7100e-003	1.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.2695	1.2695	3.0000e-005	3.0000e-005	1.2802
Total	4.9000e-004	3.6000e-004	4.7100e-003	1.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.2695	1.2695	3.0000e-005	3.0000e-005	1.2802

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3.6 Paving - 2023

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	0.0103	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003	0.0000	20.0268	20.0268	6.4800e-003	0.0000	20.1888
Paving	7.5700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0179	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003	0.0000	20.0268	20.0268	6.4800e-003	0.0000	20.1888

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	3.6000e-004	4.7100e-003	1.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.2695	1.2695	3.0000e-005	3.0000e-005	1.2802
Total	4.9000e-004	3.6000e-004	4.7100e-003	1.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.2695	1.2695	3.0000e-005	3.0000e-005	1.2802

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3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9482					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8300e-003	0.0261	0.0362	6.0000e-005		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	5.1065	5.1065	3.1000e-004	0.0000	5.1142
Total	0.9520	0.0261	0.0362	6.0000e-005		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	5.1065	5.1065	3.1000e-004	0.0000	5.1142

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0500e-003	1.5100e-003	0.0198	6.0000e-005	6.9200e-003	3.0000e-005	6.9600e-003	1.8400e-003	3.0000e-005	1.8700e-003	0.0000	5.3319	5.3319	1.3000e-004	1.4000e-004	5.3768
Total	2.0500e-003	1.5100e-003	0.0198	6.0000e-005	6.9200e-003	3.0000e-005	6.9600e-003	1.8400e-003	3.0000e-005	1.8700e-003	0.0000	5.3319	5.3319	1.3000e-004	1.4000e-004	5.3768

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3.7 Architectural Coating - 2023

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	0.9482					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8300e-003	0.0261	0.0362	6.0000e-005		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	5.1065	5.1065	3.1000e-004	0.0000	5.1141
Total	0.9520	0.0261	0.0362	6.0000e-005		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	5.1065	5.1065	3.1000e-004	0.0000	5.1141

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0500e-003	1.5100e-003	0.0198	6.0000e-005	6.9200e-003	3.0000e-005	6.9600e-003	1.8400e-003	3.0000e-005	1.8700e-003	0.0000	5.3319	5.3319	1.3000e-004	1.4000e-004	5.3768
Total	2.0500e-003	1.5100e-003	0.0198	6.0000e-005	6.9200e-003	3.0000e-005	6.9600e-003	1.8400e-003	3.0000e-005	1.8700e-003	0.0000	5.3319	5.3319	1.3000e-004	1.4000e-004	5.3768

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Annual

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0869	3.8344	0.9532	0.0218	0.8993	0.0429	0.9422	0.2544	0.0410	0.2954	0.0000	2,091,556 1	2,091,556 1	0.0219	0.2920	2,179.119 4
Unmitigated	0.0869	3.8344	0.9532	0.0218	0.8993	0.0429	0.9422	0.2544	0.0410	0.2954	0.0000	2,091,556 1	2,091,556 1	0.0219	0.2920	2,179.119 4

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Light Industry	27.95	11.34	28.21	347,803	347,803
General Light Industry	31.54	12.79	31.83	392,413	392,413
General Light Industry	24.98	10.13	25.22	310,857	310,857
General Light Industry	24.69	10.01	24.92	307,190	307,190
Other Asphalt Surfaces	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	27.00	27.00	27.00	366,607	366,607
Unrefrigerated Warehouse-No Rail	23.78	23.78	23.78	322,892	322,892
Total	159.93	95.06	160.96	2,047,760	2,047,760

4.3 Trip Type Information

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

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
General Light Industry	40.00	40.00	40.00	59.00	28.00	13.00	92	5	3
General Light Industry	40.00	40.00	40.00	59.00	28.00	13.00	92	5	3
General Light Industry	40.00	40.00	40.00	59.00	28.00	13.00	92	5	3
General Light Industry	40.00	40.00	40.00	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
Unrefrigerated Warehouse-No	40.00	40.00	40.00	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	40.00	40.00	40.00	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
General Light Industry	0.000000	0.000000	0.000000	0.000000	0.186916	0.186916	0.182243	0.443925	0.000000	0.000000	0.000000	0.000000	0.000000
Other Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Unrefrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.083631	0.083631	0.207210	0.625528	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

	ROG	NOx	CO	SO2	Fugitive 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	219.8492	219.8492	0.0186	2.2500e-003	220.9833
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	219.8492	219.8492	0.0186	2.2500e-003	220.9833
NaturalGas Mitigated	0.0190	0.1725	0.1449	1.0300e-003		0.0131	0.0131		0.0131	0.0131	0.0000	187.7425	187.7425	3.6000e-003	3.4400e-003	188.8582
NaturalGas Unmitigated	0.0190	0.1725	0.1449	1.0300e-003		0.0131	0.0131		0.0131	0.0131	0.0000	187.7425	187.7425	3.6000e-003	3.4400e-003	188.8582

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	752933	4.0600e-003	0.0369	0.0310	2.2000e-004		2.8100e-003	2.8100e-003		2.8100e-003	2.8100e-003	0.0000	40.1794	40.1794	7.7000e-004	7.4000e-004	40.4182
General Light Industry	761921	4.1100e-003	0.0374	0.0314	2.2000e-004		2.8400e-003	2.8400e-003		2.8400e-003	2.8400e-003	0.0000	40.6590	40.6590	7.8000e-004	7.5000e-004	40.9006
General Light Industry	852477	4.6000e-003	0.0418	0.0351	2.5000e-004		3.1800e-003	3.1800e-003		3.1800e-003	3.1800e-003	0.0000	45.4914	45.4914	8.7000e-004	8.3000e-004	45.7618
General Light Industry	961818	5.1900e-003	0.0472	0.0396	2.8000e-004		3.5800e-003	3.5800e-003		3.5800e-003	3.5800e-003	0.0000	51.3262	51.3262	9.8000e-004	9.4000e-004	51.6313
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	100498	5.4000e-004	4.9300e-003	4.1400e-003	3.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	5.3630	5.3630	1.0000e-004	1.0000e-004	5.3948
Unrefrigerated Warehouse-No Rail	88514.4	4.8000e-004	4.3400e-003	3.6400e-003	3.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	4.7235	4.7235	9.0000e-005	9.0000e-005	4.7515
Total		0.0190	0.1725	0.1449	1.0300e-003		0.0131	0.0131		0.0131	0.0131	0.0000	187.7425	187.7425	3.5900e-003	3.4500e-003	188.8582

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5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	752933	4.0600e-003	0.0369	0.0310	2.2000e-004		2.8100e-003	2.8100e-003		2.8100e-003	2.8100e-003	0.0000	40.1794	40.1794	7.7000e-004	7.4000e-004	40.4182
General Light Industry	761921	4.1100e-003	0.0374	0.0314	2.2000e-004		2.8400e-003	2.8400e-003		2.8400e-003	2.8400e-003	0.0000	40.6590	40.6590	7.8000e-004	7.5000e-004	40.9006
General Light Industry	852477	4.6000e-003	0.0418	0.0351	2.5000e-004		3.1800e-003	3.1800e-003		3.1800e-003	3.1800e-003	0.0000	45.4914	45.4914	8.7000e-004	8.3000e-004	45.7618
General Light Industry	961818	5.1900e-003	0.0472	0.0396	2.8000e-004		3.5800e-003	3.5800e-003		3.5800e-003	3.5800e-003	0.0000	51.3262	51.3262	9.8000e-004	9.4000e-004	51.6313
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	100498	5.4000e-004	4.9300e-003	4.1400e-003	3.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	5.3630	5.3630	1.0000e-004	1.0000e-004	5.3948
Unrefrigerated Warehouse-No Rail	88514.4	4.8000e-004	4.3400e-003	3.6400e-003	3.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	4.7235	4.7235	9.0000e-005	9.0000e-005	4.7515
Total		0.0190	0.1725	0.1449	1.0300e-003		0.0131	0.0131		0.0131	0.0131	0.0000	187.7425	187.7425	3.5900e-003	3.4500e-003	188.8582

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	231027	40.9716	3.4600e-003	4.2000e-004	41.1830
General Light Industry	233785	41.4607	3.5000e-003	4.2000e-004	41.6746
General Light Industry	261571	46.3884	3.9200e-003	4.7000e-004	46.6277
General Light Industry	295120	52.3382	4.4200e-003	5.4000e-004	52.6082
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	102166	18.1187	1.5300e-003	1.9000e-004	18.2121
Unrefrigerated Warehouse-No Rail	115998	20.5717	1.7400e-003	2.1000e-004	20.6778
Total		219.8492	0.0186	2.2500e-003	220.9833

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5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	231027	40.9716	3.4600e-003	4.2000e-004	41.1830
General Light Industry	233785	41.4607	3.5000e-003	4.2000e-004	41.6746
General Light Industry	261571	46.3884	3.9200e-003	4.7000e-004	46.6277
General Light Industry	295120	52.3382	4.4200e-003	5.4000e-004	52.6082
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	102166	18.1187	1.5300e-003	1.9000e-004	18.2121
Unrefrigerated Warehouse-No Rail	115998	20.5717	1.7400e-003	2.1000e-004	20.6778
Total		219.8492	0.0186	2.2500e-003	220.9833

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.8237	2.0000e-005	2.6000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.0600e-003	5.0600e-003	1.0000e-005	0.0000	5.3900e-003
Unmitigated	0.8237	2.0000e-005	2.6000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.0600e-003	5.0600e-003	1.0000e-005	0.0000	5.3900e-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	0.0948					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7287					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.4000e-004	2.0000e-005	2.6000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.0600e-003	5.0600e-003	1.0000e-005	0.0000	5.3900e-003
Total	0.8237	2.0000e-005	2.6000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.0600e-003	5.0600e-003	1.0000e-005	0.0000	5.3900e-003

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0948					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7287					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.4000e-004	2.0000e-005	2.6000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.0600e-003	5.0600e-003	1.0000e-005	0.0000	5.3900e-003
Total	0.8237	2.0000e-005	2.6000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.0600e-003	5.0600e-003	1.0000e-005	0.0000	5.3900e-003

7.0 Water Detail

7.1 Mitigation Measures Water

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	122.3814	1.4936	0.0362	170.4971
Unmitigated	122.3814	1.4936	0.0362	170.4971

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 1.38212	2.7232	2.3000e-004	3.0000e-005	2.7373
General Light Industry	23.8118 / 0	62.5410	0.7806	0.0189	87.6820
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	21.7467 / 0	57.1172	0.7129	0.0173	80.0779
Total		122.3814	1.4936	0.0362	170.4971

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

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 1.38212	2.7232	2.3000e-004	3.0000e-005	2.7373
General Light Industry	23.8118 / 0	62.5410	0.7806	0.0189	87.6820
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	21.7467 / 0	57.1172	0.7129	0.0173	80.0779
Total		122.3814	1.4936	0.0362	170.4971

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	43.8826	2.5934	0.0000	108.7173
Unmitigated	43.8826	2.5934	0.0000	108.7173

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.1	0.0203	1.2000e-003	0.0000	0.0503
General Light Industry	127.68	25.9179	1.5317	0.0000	64.2105
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	88.4	17.9444	1.0605	0.0000	44.4565
Total		43.8826	2.5934	0.0000	108.7173

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

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.1	0.0203	1.2000e-003	0.0000	0.0503
General Light Industry	127.68	25.9179	1.5317	0.0000	64.2105
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	88.4	17.9444	1.0605	0.0000	44.4565
Total		43.8826	2.5934	0.0000	108.7173

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	6	8.00	260	89	0.20	CNG

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

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Forklifts	0.0114	0.5533	7.2296	1.1900e-003		8.9200e-003	8.9200e-003		8.9200e-003	8.9200e-003	0.0000	136.8263	136.8263	0.0443	0.0000	137.9326
Total	0.0114	0.5533	7.2296	1.1900e-003		8.9200e-003	8.9200e-003		8.9200e-003	8.9200e-003	0.0000	136.8263	136.8263	0.0443	0.0000	137.9326

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Fire Pump	6	1	50	238	0.73	Diesel

Boilers

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

Equipment Type	Number
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Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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					
Fire Pump - Diesel (175 - 300 HP)	0.0586	0.1638	0.1494	2.8000e-004		8.6200e-003	8.6200e-003		8.6200e-003	8.6200e-003	0.0000	27.1889	27.1889	3.8100e-003	0.0000	27.2842
Total	0.0586	0.1638	0.1494	2.8000e-004		8.6200e-003	8.6200e-003		8.6200e-003	8.6200e-003	0.0000	27.1889	27.1889	3.8100e-003	0.0000	27.2842

11.0 Vegetation

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Summer

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

Alessandro & Old 215 Frontage Industrial Park (Trucks)

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	26.37	1000sqft	0.61	26,368.00	0
General Light Industry	29.75	1000sqft	0.68	29,750.00	0
General Light Industry	23.57	1000sqft	0.54	23,567.00	0
General Light Industry	23.29	1000sqft	0.53	23,289.00	0
Unrefrigerated Warehouse-No Rail	50.00	1000sqft	1.15	49,999.00	0
Unrefrigerated Warehouse-No Rail	44.04	1000sqft	1.01	44,037.00	0
Other Asphalt Surfaces	5.78	Acre	5.78	251,776.80	0
City Park	1.16	Acre	1.16	50,529.60	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2023
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 - Based on opening year 2023

Off-road Equipment - Crawler Tractors in place of Tractors/Loaders/Backhoes

Off-road Equipment - Crawler Tractors in place of Tractors/Loaders/Backhoes

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Summer

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

Off-road Equipment - Assumed 8hr Work Day

Off-road Equipment -

Off-road Equipment - Assumed 8hr Work Day

Vehicle Trips - Based on Project Trip Generation (Translutions 2021) and SCAQMD Truck Distances

Fleet Mix - Truck Analysis Only, truck splits from Project Trip Gen (Translutions 2021)

Operational Off-Road Equipment - 1 Forklift per building

Stationary Sources - Emergency Generators and Fire Pumps -

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	30.00
tblFleetMix	HHD	0.02	0.44
tblFleetMix	HHD	0.02	0.63
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.03	0.19
tblFleetMix	LHD1	0.03	0.08
tblFleetMix	LHD2	7.3100e-003	0.19
tblFleetMix	LHD2	7.3100e-003	0.08
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MDV	0.14	0.00

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Summer

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

tblFleetMix	MH	5.4680e-003	0.00
tblFleetMix	MH	5.4680e-003	0.00
tblFleetMix	MHD	0.01	0.18
tblFleetMix	MHD	0.01	0.21
tblFleetMix	OBUS	6.1600e-004	0.00
tblFleetMix	OBUS	6.1600e-004	0.00
tblFleetMix	SBUS	1.1000e-003	0.00
tblFleetMix	SBUS	1.1000e-003	0.00
tblFleetMix	UBUS	3.1500e-004	0.00
tblFleetMix	UBUS	3.1500e-004	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	6.00
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	238.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	1.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	6.00
tblVehicleTrips	CC_TL	8.40	40.00
tblVehicleTrips	CC_TL	8.40	40.00
tblVehicleTrips	CNW_TL	6.90	40.00
tblVehicleTrips	CNW_TL	6.90	40.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TL	16.60	40.00

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Summer

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

tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	1.99	0.43
tblVehicleTrips	ST_TR	1.74	0.54
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	5.00	1.07
tblVehicleTrips	SU_TR	1.74	0.54
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	4.96	1.06
tblVehicleTrips	WD_TR	1.74	0.54

2.0 Emissions Summary

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Summer

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	4.5499	50.4583	29.9926	0.0736	21.9792	2.1600	24.1392	10.3848	1.9872	12.3720	0.0000	7,133.705 2	7,133.705 2	2.2455	0.2880	7,191.356 5
2023	63.6191	18.5908	26.1172	0.0638	2.8725	0.7824	3.6549	0.7737	0.7354	1.5091	0.0000	6,370.402 1	6,370.402 1	0.7308	0.2738	6,470.251 7
Maximum	63.6191	50.4583	29.9926	0.0736	21.9792	2.1600	24.1392	10.3848	1.9872	12.3720	0.0000	7,133.705 2	7,133.705 2	2.2455	0.2880	7,191.356 5

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	4.5499	50.4583	29.9926	0.0736	8.6946	2.1600	10.8546	4.0826	1.9872	6.0698	0.0000	7,133.705 2	7,133.705 2	2.2455	0.2880	7,191.356 5
2023	63.6191	18.5908	26.1172	0.0638	2.8725	0.7824	3.6549	0.7737	0.7354	1.5091	0.0000	6,370.402 1	6,370.402 1	0.7308	0.2738	6,470.251 7
Maximum	63.6191	50.4583	29.9926	0.0736	8.6946	2.1600	10.8546	4.0826	1.9872	6.0698	0.0000	7,133.705 2	7,133.705 2	2.2455	0.2880	7,191.356 5

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	53.46	0.00	47.80	56.48	0.00	45.40	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.5140	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476
Energy	0.1040	0.9450	0.7938	5.6700e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151
Mobile	0.5191	21.2466	5.6021	0.1276	5.3494	0.2507	5.6001	1.5106	0.2398	1.7504		13,497.0460	13,497.0460	0.1416	1.8789	14,060.4896
Offroad	0.0873	4.2560	55.6126	9.1700e-003		0.0686	0.0686		0.0686	0.0686	0.0000	1,160.1951	1,160.1951	0.3752		1,169.5758
Stationary	2.3431	6.5498	5.9753	0.0113		0.3447	0.3447		0.3447	0.3447		1,198.8262	1,198.8262	0.1681		1,203.0281
Total	7.5676	32.9977	68.0046	0.1537	5.3494	0.7360	6.0854	1.5106	0.7251	2.2357	0.0000	16,990.0883	16,990.0883	0.7068	1.8997	17,573.8562

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Summer

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.5140	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476
Energy	0.1040	0.9450	0.7938	5.6700e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151
Mobile	0.5191	21.2466	5.6021	0.1276	5.3494	0.2507	5.6001	1.5106	0.2398	1.7504		13,497.0460	13,497.0460	0.1416	1.8789	14,060.4896
Offroad	0.0873	4.2560	55.6126	9.1700e-003		0.0686	0.0686		0.0686	0.0686	0.0000	1,160.1951	1,160.1951	0.3752		1,169.5758
Stationary	2.3431	6.5498	5.9753	0.0113		0.3447	0.3447		0.3447	0.3447		1,198.8262	1,198.8262	0.1681		1,203.0281
Total	7.5676	32.9977	68.0046	0.1537	5.3494	0.7360	6.0854	1.5106	0.7251	2.2357	0.0000	16,990.0883	16,990.0883	0.7068	1.8997	17,573.8562

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2022	1/28/2022	5	20	
2	Site Preparation	Site Preparation	1/29/2022	2/11/2022	5	10	
3	Grading	Grading	2/12/2022	3/25/2022	5	30	

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Summer

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

4	Building Construction	Building Construction	3/26/2022	5/19/2023	5	300
5	Paving	Paving	5/20/2023	6/16/2023	5	20
6	Architectural Coating	Architectural Coating	6/17/2023	7/28/2023	5	30

Acres of Grading (Site Preparation Phase): 35

Acres of Grading (Grading Phase): 120

Acres of Paving: 5.78

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 295,515; Non-Residential Outdoor: 98,505; Striped Parking Area: 15,107 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Crawler Tractors	4	8.00	212	0.43
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Crawler Tractors	2	8.00	212	0.43
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Summer

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

Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	8.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	184.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	210.00	82.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	42.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Summer

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

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0045	0.0000	2.0045	0.3035	0.0000	0.3035			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.781 2	3,746.781 2	1.0524		3,773.092 0
Total	2.6392	25.7194	20.5941	0.0388	2.0045	1.2427	3.2472	0.3035	1.1553	1.4588		3,746.781 2	3,746.781 2	1.0524		3,773.092 0

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	0.0291	1.1750	0.2613	5.2900e-003	0.1610	0.0137	0.1747	0.0442	0.0131	0.0572		564.2838	564.2838	7.6300e-003	0.0889	590.9639
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0591	0.0383	0.5980	1.5200e-003	0.1677	8.4000e-004	0.1685	0.0445	7.7000e-004	0.0452		155.0309	155.0309	3.8400e-003	3.8100e-003	156.2632
Total	0.0882	1.2133	0.8593	6.8100e-003	0.3287	0.0145	0.3432	0.0886	0.0138	0.1024		719.3147	719.3147	0.0115	0.0927	747.2271

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Summer

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

3.2 Demolition - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7818	0.0000	0.7818	0.1184	0.0000	0.1184			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.781 2	3,746.781 2	1.0524		3,773.092 0
Total	2.6392	25.7194	20.5941	0.0388	0.7818	1.2427	2.0244	0.1184	1.1553	1.2736	0.0000	3,746.781 2	3,746.781 2	1.0524		3,773.092 0

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	0.0291	1.1750	0.2613	5.2900e-003	0.1610	0.0137	0.1747	0.0442	0.0131	0.0572		564.2838	564.2838	7.6300e-003	0.0889	590.9639
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0591	0.0383	0.5980	1.5200e-003	0.1677	8.4000e-004	0.1685	0.0445	7.7000e-004	0.0452		155.0309	155.0309	3.8400e-003	3.8100e-003	156.2632
Total	0.0882	1.2133	0.8593	6.8100e-003	0.3287	0.0145	0.3432	0.0886	0.0138	0.1024		719.3147	719.3147	0.0115	0.0927	747.2271

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Summer

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

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					21.7780	0.0000	21.7780	10.3315	0.0000	10.3315			0.0000			0.0000
Off-Road	4.4790	50.4124	20.0053	0.0570		2.1590	2.1590		1.9862	1.9862		5,517.2355	5,517.2355	1.7844		5,561.8451
Total	4.4790	50.4124	20.0053	0.0570	21.7780	2.1590	23.9370	10.3315	1.9862	12.3177		5,517.2355	5,517.2355	1.7844		5,561.8451

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0709	0.0460	0.7176	1.8300e-003	0.2012	1.0000e-003	0.2022	0.0534	9.2000e-004	0.0543		186.0370	186.0370	4.6100e-003	4.5800e-003	187.5158
Total	0.0709	0.0460	0.7176	1.8300e-003	0.2012	1.0000e-003	0.2022	0.0534	9.2000e-004	0.0543		186.0370	186.0370	4.6100e-003	4.5800e-003	187.5158

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Summer

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

3.3 Site Preparation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.4934	0.0000	8.4934	4.0293	0.0000	4.0293			0.0000			0.0000
Off-Road	4.4790	50.4124	20.0053	0.0570		2.1590	2.1590		1.9862	1.9862	0.0000	5,517.235 5	5,517.235 5	1.7844		5,561.845 1
Total	4.4790	50.4124	20.0053	0.0570	8.4934	2.1590	10.6524	4.0293	1.9862	6.0155	0.0000	5,517.235 5	5,517.235 5	1.7844		5,561.845 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0709	0.0460	0.7176	1.8300e-003	0.2012	1.0000e-003	0.2022	0.0534	9.2000e-004	0.0543		186.0370	186.0370	4.6100e-003	4.5800e-003	187.5158
Total	0.0709	0.0460	0.7176	1.8300e-003	0.2012	1.0000e-003	0.2022	0.0534	9.2000e-004	0.0543		186.0370	186.0370	4.6100e-003	4.5800e-003	187.5158

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Summer

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

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					10.2641	0.0000	10.2641	3.7683	0.0000	3.7683			0.0000			0.0000
Off-Road	4.2792	47.5079	29.1953	0.0715		1.9081	1.9081		1.7554	1.7554		6,926.997 4	6,926.997 4	2.2403		6,983.005 6
Total	4.2792	47.5079	29.1953	0.0715	10.2641	1.9081	12.1722	3.7683	1.7554	5.5237		6,926.997 4	6,926.997 4	2.2403		6,983.005 6

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0788	0.0511	0.7973	2.0300e-003	0.2236	1.1100e-003	0.2247	0.0593	1.0300e-003	0.0603		206.7078	206.7078	5.1200e-003	5.0800e-003	208.3509
Total	0.0788	0.0511	0.7973	2.0300e-003	0.2236	1.1100e-003	0.2247	0.0593	1.0300e-003	0.0603		206.7078	206.7078	5.1200e-003	5.0800e-003	208.3509

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Summer

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

3.4 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.0030	0.0000	4.0030	1.4696	0.0000	1.4696			0.0000			0.0000
Off-Road	4.2792	47.5079	29.1953	0.0715		1.9081	1.9081		1.7554	1.7554	0.0000	6,926.997 4	6,926.997 4	2.2403		6,983.005 6
Total	4.2792	47.5079	29.1953	0.0715	4.0030	1.9081	5.9111	1.4696	1.7554	3.2251	0.0000	6,926.997 4	6,926.997 4	2.2403		6,983.005 6

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0788	0.0511	0.7973	2.0300e-003	0.2236	1.1100e-003	0.2247	0.0593	1.0300e-003	0.0603		206.7078	206.7078	5.1200e-003	5.0800e-003	208.3509
Total	0.0788	0.0511	0.7973	2.0300e-003	0.2236	1.1100e-003	0.2247	0.0593	1.0300e-003	0.0603		206.7078	206.7078	5.1200e-003	5.0800e-003	208.3509

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Summer

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

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8146	16.7670	17.4392	0.0288		0.8645	0.8645		0.8122	0.8122		2,737.1520	2,737.1520	0.6711		2,753.9288
Total	1.8146	16.7670	17.4392	0.0288		0.8645	0.8645		0.8122	0.8122		2,737.1520	2,737.1520	0.6711		2,753.9288

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	0.1334	3.4675	1.2057	0.0149	0.5252	0.0500	0.5752	0.1512	0.0478	0.1991		1,582.1518	1,582.1518	0.0167	0.2346	1,652.4890
Worker	0.8276	0.5363	8.3718	0.0213	2.3473	0.0117	2.3590	0.6225	0.0108	0.6333		2,170.4322	2,170.4322	0.0538	0.0534	2,187.6841
Total	0.9610	4.0038	9.5775	0.0363	2.8725	0.0617	2.9342	0.7738	0.0586	0.8324		3,752.5839	3,752.5839	0.0705	0.2880	3,840.1731

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Summer

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

3.5 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8146	16.7670	17.4392	0.0288		0.8645	0.8645		0.8122	0.8122	0.0000	2,737.1520	2,737.1520	0.6711		2,753.9288
Total	1.8146	16.7670	17.4392	0.0288		0.8645	0.8645		0.8122	0.8122	0.0000	2,737.1520	2,737.1520	0.6711		2,753.9288

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	0.1334	3.4675	1.2057	0.0149	0.5252	0.0500	0.5752	0.1512	0.0478	0.1991		1,582.1518	1,582.1518	0.0167	0.2346	1,652.4890
Worker	0.8276	0.5363	8.3718	0.0213	2.3473	0.0117	2.3590	0.6225	0.0108	0.6333		2,170.4322	2,170.4322	0.0538	0.0534	2,187.6841
Total	0.9610	4.0038	9.5775	0.0363	2.8725	0.0617	2.9342	0.7738	0.0586	0.8324		3,752.5839	3,752.5839	0.0705	0.2880	3,840.1731

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Summer

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

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6735	15.4377	17.3101	0.0288		0.7481	0.7481		0.7029	0.7029		2,738.1535	2,738.1535	0.6670		2,754.8288
Total	1.6735	15.4377	17.3101	0.0288		0.7481	0.7481		0.7029	0.7029		2,738.1535	2,738.1535	0.6670		2,754.8288

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	0.0924	2.6790	1.1031	0.0143	0.5252	0.0233	0.5485	0.1512	0.0223	0.1735		1,519.2222	1,519.2222	0.0155	0.2245	1,586.5092
Worker	0.7672	0.4741	7.7040	0.0207	2.3473	0.0110	2.3583	0.6225	0.0101	0.6327		2,113.0263	2,113.0263	0.0483	0.0493	2,128.9137
Total	0.8597	3.1531	8.8071	0.0350	2.8725	0.0343	2.9069	0.7737	0.0325	0.8062		3,632.2485	3,632.2485	0.0637	0.2738	3,715.4229

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Summer

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

3.5 Building Construction - 2023

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	1.6735	15.4377	17.3101	0.0288		0.7481	0.7481		0.7029	0.7029	0.0000	2,738.1535	2,738.1535	0.6670		2,754.8288
Total	1.6735	15.4377	17.3101	0.0288		0.7481	0.7481		0.7029	0.7029	0.0000	2,738.1535	2,738.1535	0.6670		2,754.8288

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	0.0924	2.6790	1.1031	0.0143	0.5252	0.0233	0.5485	0.1512	0.0223	0.1735		1,519.2222	1,519.2222	0.0155	0.2245	1,586.5092
Worker	0.7672	0.4741	7.7040	0.0207	2.3473	0.0110	2.3583	0.6225	0.0101	0.6327		2,113.0263	2,113.0263	0.0483	0.0493	2,128.9137
Total	0.8597	3.1531	8.8071	0.0350	2.8725	0.0343	2.9069	0.7737	0.0325	0.8062		3,632.2485	3,632.2485	0.0637	0.2738	3,715.4229

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Summer

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

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.7572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7899	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0548	0.0339	0.5503	1.4700e-003	0.1677	7.9000e-004	0.1685	0.0445	7.2000e-004	0.0452		150.9305	150.9305	3.4500e-003	3.5200e-003	152.0653
Total	0.0548	0.0339	0.5503	1.4700e-003	0.1677	7.9000e-004	0.1685	0.0445	7.2000e-004	0.0452		150.9305	150.9305	3.4500e-003	3.5200e-003	152.0653

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Summer

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

3.6 Paving - 2023

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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.584 1	2,207.584 1	0.7140		2,225.433 6
Paving	0.7572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7899	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.584 1	2,207.584 1	0.7140		2,225.433 6

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0548	0.0339	0.5503	1.4700e-003	0.1677	7.9000e-004	0.1685	0.0445	7.2000e-004	0.0452		150.9305	150.9305	3.4500e-003	3.5200e-003	152.0653
Total	0.0548	0.0339	0.5503	1.4700e-003	0.1677	7.9000e-004	0.1685	0.0445	7.2000e-004	0.0452		150.9305	150.9305	3.4500e-003	3.5200e-003	152.0653

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Summer

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

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	63.2101					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2556	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944		375.2641	375.2641	0.0225		375.8253
Total	63.4657	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944		375.2641	375.2641	0.0225		375.8253

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1535	0.0948	1.5408	4.1300e-003	0.4695	2.2000e-003	0.4717	0.1245	2.0300e-003	0.1265		422.6053	422.6053	9.6500e-003	9.8500e-003	425.7827
Total	0.1535	0.0948	1.5408	4.1300e-003	0.4695	2.2000e-003	0.4717	0.1245	2.0300e-003	0.1265		422.6053	422.6053	9.6500e-003	9.8500e-003	425.7827

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Summer

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

3.7 Architectural Coating - 2023

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	63.2101					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2556	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944	0.0000	375.2641	375.2641	0.0225		375.8253
Total	63.4657	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944	0.0000	375.2641	375.2641	0.0225		375.8253

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1535	0.0948	1.5408	4.1300e-003	0.4695	2.2000e-003	0.4717	0.1245	2.0300e-003	0.1265		422.6053	422.6053	9.6500e-003	9.8500e-003	425.7827
Total	0.1535	0.0948	1.5408	4.1300e-003	0.4695	2.2000e-003	0.4717	0.1245	2.0300e-003	0.1265		422.6053	422.6053	9.6500e-003	9.8500e-003	425.7827

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Summer

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5191	21.2466	5.6021	0.1276	5.3494	0.2507	5.6001	1.5106	0.2398	1.7504		13,497.04 60	13,497.04 60	0.1416	1.8789	14,060.48 96
Unmitigated	0.5191	21.2466	5.6021	0.1276	5.3494	0.2507	5.6001	1.5106	0.2398	1.7504		13,497.04 60	13,497.04 60	0.1416	1.8789	14,060.48 96

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Light Industry	27.95	11.34	28.21	347,803	347,803
General Light Industry	31.54	12.79	31.83	392,413	392,413
General Light Industry	24.98	10.13	25.22	310,857	310,857
General Light Industry	24.69	10.01	24.92	307,190	307,190
Other Asphalt Surfaces	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	27.00	27.00	27.00	366,607	366,607
Unrefrigerated Warehouse-No Rail	23.78	23.78	23.78	322,892	322,892
Total	159.93	95.06	160.96	2,047,760	2,047,760

4.3 Trip Type Information

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Summer

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

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
General Light Industry	40.00	40.00	40.00	59.00	28.00	13.00	92	5	3
General Light Industry	40.00	40.00	40.00	59.00	28.00	13.00	92	5	3
General Light Industry	40.00	40.00	40.00	59.00	28.00	13.00	92	5	3
General Light Industry	40.00	40.00	40.00	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
Unrefrigerated Warehouse-No	40.00	40.00	40.00	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	40.00	40.00	40.00	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
General Light Industry	0.000000	0.000000	0.000000	0.000000	0.186916	0.186916	0.182243	0.443925	0.000000	0.000000	0.000000	0.000000	0.000000
Other Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Unrefrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.083631	0.083631	0.207210	0.625528	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1040	0.9450	0.7938	5.6700e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151
NaturalGas Unmitigated	0.1040	0.9450	0.7938	5.6700e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Summer

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	2062.83	0.0223	0.2022	0.1699	1.2100e-003		0.0154	0.0154		0.0154	0.0154		242.6860	242.6860	4.6500e-003	4.4500e-003	244.1282
General Light Industry	2087.46	0.0225	0.2047	0.1719	1.2300e-003		0.0156	0.0156		0.0156	0.0156		245.5830	245.5830	4.7100e-003	4.5000e-003	247.0423
General Light Industry	2335.55	0.0252	0.2290	0.1923	1.3700e-003		0.0174	0.0174		0.0174	0.0174		274.7711	274.7711	5.2700e-003	5.0400e-003	276.4040
General Light Industry	2635.12	0.0284	0.2583	0.2170	1.5500e-003		0.0196	0.0196		0.0196	0.0196		310.0137	310.0137	5.9400e-003	5.6800e-003	311.8560
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	242.505	2.6200e-003	0.0238	0.0200	1.4000e-004		1.8100e-003	1.8100e-003		1.8100e-003	1.8100e-003		28.5300	28.5300	5.5000e-004	5.2000e-004	28.6996
Unrefrigerated Warehouse-No Rail	275.337	2.9700e-003	0.0270	0.0227	1.6000e-004		2.0500e-003	2.0500e-003		2.0500e-003	2.0500e-003		32.3926	32.3926	6.2000e-004	5.9000e-004	32.5851
Total		0.1040	0.9450	0.7938	5.6600e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Summer

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	2.06283	0.0223	0.2022	0.1699	1.2100e-003		0.0154	0.0154		0.0154	0.0154		242.6860	242.6860	4.6500e-003	4.4500e-003	244.1282
General Light Industry	2.08746	0.0225	0.2047	0.1719	1.2300e-003		0.0156	0.0156		0.0156	0.0156		245.5830	245.5830	4.7100e-003	4.5000e-003	247.0423
General Light Industry	2.33555	0.0252	0.2290	0.1923	1.3700e-003		0.0174	0.0174		0.0174	0.0174		274.7711	274.7711	5.2700e-003	5.0400e-003	276.4040
General Light Industry	2.63512	0.0284	0.2583	0.2170	1.5500e-003		0.0196	0.0196		0.0196	0.0196		310.0137	310.0137	5.9400e-003	5.6800e-003	311.8560
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0.242505	2.6200e-003	0.0238	0.0200	1.4000e-004		1.8100e-003	1.8100e-003		1.8100e-003	1.8100e-003		28.5300	28.5300	5.5000e-004	5.2000e-004	28.6996
Unrefrigerated Warehouse-No Rail	0.275337	2.9700e-003	0.0270	0.0227	1.6000e-004		2.0500e-003	2.0500e-003		2.0500e-003	2.0500e-003		32.3926	32.3926	6.2000e-004	5.9000e-004	32.5851
Total		0.1040	0.9450	0.7938	5.6600e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151

6.0 Area Detail

6.1 Mitigation Measures Area

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.5140	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476
Unmitigated	4.5140	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476

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	0.5195					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9926					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9300e-003	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476
Total	4.5141	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Summer

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5195					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9926					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9300e-003	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476
Total	4.5141	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476

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	6	8.00	260	89	0.20	CNG

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Summer

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

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Forklifts	0.0873	4.2560	55.6126	9.1700e-003		0.0686	0.0686		0.0686	0.0686	0.0000	1,160.1951	1,160.1951	0.3752		1,169.5758
Total	0.0873	4.2560	55.6126	9.1700e-003		0.0686	0.0686		0.0686	0.0686	0.0000	1,160.1951	1,160.1951	0.3752		1,169.5758

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Fire Pump	6	1	50	238	0.73	Diesel

Boilers

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

Equipment Type	Number
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Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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					
Fire Pump - Diesel (175 - 300 HP)	2.3431	6.5498	5.9753	0.0113		0.3447	0.3447		0.3447	0.3447		1,198.826 2	1,198.826 2	0.1681		1,203.028 1
Total	2.3431	6.5498	5.9753	0.0113		0.3447	0.3447		0.3447	0.3447		1,198.826 2	1,198.826 2	0.1681		1,203.028 1

11.0 Vegetation

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Winter

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

Alessandro & Old 215 Frontage Industrial Park (Trucks)

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	26.37	1000sqft	0.61	26,368.00	0
General Light Industry	29.75	1000sqft	0.68	29,750.00	0
General Light Industry	23.57	1000sqft	0.54	23,567.00	0
General Light Industry	23.29	1000sqft	0.53	23,289.00	0
Unrefrigerated Warehouse-No Rail	50.00	1000sqft	1.15	49,999.00	0
Unrefrigerated Warehouse-No Rail	44.04	1000sqft	1.01	44,037.00	0
Other Asphalt Surfaces	5.78	Acre	5.78	251,776.80	0
City Park	1.16	Acre	1.16	50,529.60	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	390.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Based on opening year 2023

Off-road Equipment - Crawler Tractors in place of Tractors/Loaders/Backhoes

Off-road Equipment - Crawler Tractors in place of Tractors/Loaders/Backhoes

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Winter

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

Off-road Equipment - Assumed 8hr Work Day

Off-road Equipment -

Off-road Equipment - Assumed 8hr Work Day

Vehicle Trips - Based on Project Trip Generation (Translutions 2021) and SCAQMD Truck Distances

Fleet Mix - Truck Analysis Only, truck splits from Project Trip Gen (Translutions 2021)

Operational Off-Road Equipment - 1 Forklift per building

Stationary Sources - Emergency Generators and Fire Pumps -

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	30.00
tblFleetMix	HHD	0.02	0.44
tblFleetMix	HHD	0.02	0.63
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.03	0.19
tblFleetMix	LHD1	0.03	0.08
tblFleetMix	LHD2	7.3100e-003	0.19
tblFleetMix	LHD2	7.3100e-003	0.08
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MDV	0.14	0.00

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Winter

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

tblFleetMix	MH	5.4680e-003	0.00
tblFleetMix	MH	5.4680e-003	0.00
tblFleetMix	MHD	0.01	0.18
tblFleetMix	MHD	0.01	0.21
tblFleetMix	OBUS	6.1600e-004	0.00
tblFleetMix	OBUS	6.1600e-004	0.00
tblFleetMix	SBUS	1.1000e-003	0.00
tblFleetMix	SBUS	1.1000e-003	0.00
tblFleetMix	UBUS	3.1500e-004	0.00
tblFleetMix	UBUS	3.1500e-004	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	6.00
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	238.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	1.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	6.00
tblVehicleTrips	CC_TL	8.40	40.00
tblVehicleTrips	CC_TL	8.40	40.00
tblVehicleTrips	CNW_TL	6.90	40.00
tblVehicleTrips	CNW_TL	6.90	40.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TL	16.60	40.00

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Winter

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

tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	1.99	0.43
tblVehicleTrips	ST_TR	1.74	0.54
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	5.00	1.07
tblVehicleTrips	SU_TR	1.74	0.54
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	4.96	1.06
tblVehicleTrips	WD_TR	1.74	0.54

2.0 Emissions Summary

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Winter

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	4.5453	50.4601	29.8414	0.0734	21.9792	2.1600	24.1392	10.3848	1.9872	12.3720	0.0000	7,114.2321	7,114.2321	2.2454	0.2897	7,171.9185
2023	63.6095	18.7708	24.7061	0.0619	2.8725	0.7825	3.6550	0.7737	0.7354	1.5092	0.0000	6,175.7378	6,175.7378	0.7303	0.2757	6,276.1428
Maximum	63.6095	50.4601	29.8414	0.0734	21.9792	2.1600	24.1392	10.3848	1.9872	12.3720	0.0000	7,114.2321	7,114.2321	2.2454	0.2897	7,171.9185

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	4.5453	50.4601	29.8414	0.0734	8.6946	2.1600	10.8546	4.0826	1.9872	6.0698	0.0000	7,114.2321	7,114.2321	2.2454	0.2897	7,171.9185
2023	63.6095	18.7708	24.7061	0.0619	2.8725	0.7825	3.6550	0.7737	0.7354	1.5092	0.0000	6,175.7378	6,175.7378	0.7303	0.2757	6,276.1428
Maximum	63.6095	50.4601	29.8414	0.0734	8.6946	2.1600	10.8546	4.0826	1.9872	6.0698	0.0000	7,114.2321	7,114.2321	2.2454	0.2897	7,171.9185

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	53.46	0.00	47.80	56.48	0.00	45.40	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.5140	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476
Energy	0.1040	0.9450	0.7938	5.6700e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151
Mobile	0.5038	22.3971	5.6300	0.1276	5.3494	0.2509	5.6003	1.5106	0.2400	1.7506		13,504.4048	13,504.4048	0.1407	1.8822	14,068.8085
Offroad	0.0873	4.2560	55.6126	9.1700e-003		0.0686	0.0686		0.0686	0.0686	0.0000	1,160.1951	1,160.1951	0.3752		1,169.5758
Stationary	2.3431	6.5498	5.9753	0.0113		0.3447	0.3447		0.3447	0.3447		1,198.8262	1,198.8262	0.1681		1,203.0281
Total	7.5523	34.1482	68.0325	0.1537	5.3494	0.7361	6.0855	1.5106	0.7252	2.2358	0.0000	16,997.4470	16,997.4470	0.7059	1.9030	17,582.1751

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Winter

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.5140	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476
Energy	0.1040	0.9450	0.7938	5.6700e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151
Mobile	0.5038	22.3971	5.6300	0.1276	5.3494	0.2509	5.6003	1.5106	0.2400	1.7506		13,504.4048	13,504.4048	0.1407	1.8822	14,068.8085
Offroad	0.0873	4.2560	55.6126	9.1700e-003		0.0686	0.0686		0.0686	0.0686	0.0000	1,160.1951	1,160.1951	0.3752		1,169.5758
Stationary	2.3431	6.5498	5.9753	0.0113		0.3447	0.3447		0.3447	0.3447		1,198.8262	1,198.8262	0.1681		1,203.0281
Total	7.5523	34.1482	68.0325	0.1537	5.3494	0.7361	6.0855	1.5106	0.7252	2.2358	0.0000	16,997.4470	16,997.4470	0.7059	1.9030	17,582.1751

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2022	1/28/2022	5	20	
2	Site Preparation	Site Preparation	1/29/2022	2/11/2022	5	10	
3	Grading	Grading	2/12/2022	3/25/2022	5	30	

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Winter

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

4	Building Construction	Building Construction	3/26/2022	5/19/2023	5	300
5	Paving	Paving	5/20/2023	6/16/2023	5	20
6	Architectural Coating	Architectural Coating	6/17/2023	7/28/2023	5	30

Acres of Grading (Site Preparation Phase): 35

Acres of Grading (Grading Phase): 120

Acres of Paving: 5.78

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 295,515; Non-Residential Outdoor: 98,505; Striped Parking Area: 15,107 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Crawler Tractors	4	8.00	212	0.43
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Crawler Tractors	2	8.00	212	0.43
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Winter

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

Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	8.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	184.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	210.00	82.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	42.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Winter

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

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0045	0.0000	2.0045	0.3035	0.0000	0.3035			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.781 2	3,746.781 2	1.0524		3,773.092 0
Total	2.6392	25.7194	20.5941	0.0388	2.0045	1.2427	3.2472	0.3035	1.1553	1.4588		3,746.781 2	3,746.781 2	1.0524		3,773.092 0

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	0.0277	1.2393	0.2685	5.2900e-003	0.1610	0.0137	0.1747	0.0442	0.0131	0.0572		564.7146	564.7146	7.5700e-003	0.0890	591.4134
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0552	0.0398	0.4846	1.3800e-003	0.1677	8.4000e-004	0.1685	0.0445	7.7000e-004	0.0452		140.4261	140.4261	3.8100e-003	3.9000e-003	141.6847
Total	0.0829	1.2791	0.7531	6.6700e-003	0.3287	0.0145	0.3432	0.0886	0.0139	0.1025		705.1406	705.1406	0.0114	0.0929	733.0981

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Winter

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

3.2 Demolition - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7818	0.0000	0.7818	0.1184	0.0000	0.1184			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.781 2	3,746.781 2	1.0524		3,773.092 0
Total	2.6392	25.7194	20.5941	0.0388	0.7818	1.2427	2.0244	0.1184	1.1553	1.2736	0.0000	3,746.781 2	3,746.781 2	1.0524		3,773.092 0

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	0.0277	1.2393	0.2685	5.2900e-003	0.1610	0.0137	0.1747	0.0442	0.0131	0.0572		564.7146	564.7146	7.5700e-003	0.0890	591.4134
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0552	0.0398	0.4846	1.3800e-003	0.1677	8.4000e-004	0.1685	0.0445	7.7000e-004	0.0452		140.4261	140.4261	3.8100e-003	3.9000e-003	141.6847
Total	0.0829	1.2791	0.7531	6.6700e-003	0.3287	0.0145	0.3432	0.0886	0.0139	0.1025		705.1406	705.1406	0.0114	0.0929	733.0981

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Winter

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

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					21.7780	0.0000	21.7780	10.3315	0.0000	10.3315			0.0000			0.0000
Off-Road	4.4790	50.4124	20.0053	0.0570		2.1590	2.1590		1.9862	1.9862		5,517.2355	5,517.2355	1.7844		5,561.8451
Total	4.4790	50.4124	20.0053	0.0570	21.7780	2.1590	23.9370	10.3315	1.9862	12.3177		5,517.2355	5,517.2355	1.7844		5,561.8451

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0663	0.0477	0.5816	1.6600e-003	0.2012	1.0000e-003	0.2022	0.0534	9.2000e-004	0.0543		168.5113	168.5113	4.5800e-003	4.6800e-003	170.0216
Total	0.0663	0.0477	0.5816	1.6600e-003	0.2012	1.0000e-003	0.2022	0.0534	9.2000e-004	0.0543		168.5113	168.5113	4.5800e-003	4.6800e-003	170.0216

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Winter

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

3.3 Site Preparation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.4934	0.0000	8.4934	4.0293	0.0000	4.0293			0.0000			0.0000
Off-Road	4.4790	50.4124	20.0053	0.0570		2.1590	2.1590		1.9862	1.9862	0.0000	5,517.235 5	5,517.235 5	1.7844		5,561.845 1
Total	4.4790	50.4124	20.0053	0.0570	8.4934	2.1590	10.6524	4.0293	1.9862	6.0155	0.0000	5,517.235 5	5,517.235 5	1.7844		5,561.845 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0663	0.0477	0.5816	1.6600e-003	0.2012	1.0000e-003	0.2022	0.0534	9.2000e-004	0.0543		168.5113	168.5113	4.5800e-003	4.6800e-003	170.0216
Total	0.0663	0.0477	0.5816	1.6600e-003	0.2012	1.0000e-003	0.2022	0.0534	9.2000e-004	0.0543		168.5113	168.5113	4.5800e-003	4.6800e-003	170.0216

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Winter

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

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					10.2641	0.0000	10.2641	3.7683	0.0000	3.7683			0.0000			0.0000
Off-Road	4.2792	47.5079	29.1953	0.0715		1.9081	1.9081		1.7554	1.7554		6,926.9974	6,926.9974	2.2403		6,983.0056
Total	4.2792	47.5079	29.1953	0.0715	10.2641	1.9081	12.1722	3.7683	1.7554	5.5237		6,926.9974	6,926.9974	2.2403		6,983.0056

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0736	0.0530	0.6462	1.8400e-003	0.2236	1.1100e-003	0.2247	0.0593	1.0300e-003	0.0603		187.2348	187.2348	5.0800e-003	5.2000e-003	188.9129
Total	0.0736	0.0530	0.6462	1.8400e-003	0.2236	1.1100e-003	0.2247	0.0593	1.0300e-003	0.0603		187.2348	187.2348	5.0800e-003	5.2000e-003	188.9129

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Winter

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

3.4 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.0030	0.0000	4.0030	1.4696	0.0000	1.4696			0.0000			0.0000
Off-Road	4.2792	47.5079	29.1953	0.0715		1.9081	1.9081		1.7554	1.7554	0.0000	6,926.997 4	6,926.997 4	2.2403		6,983.005 6
Total	4.2792	47.5079	29.1953	0.0715	4.0030	1.9081	5.9111	1.4696	1.7554	3.2251	0.0000	6,926.997 4	6,926.997 4	2.2403		6,983.005 6

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0736	0.0530	0.6462	1.8400e-003	0.2236	1.1100e-003	0.2247	0.0593	1.0300e-003	0.0603		187.2348	187.2348	5.0800e-003	5.2000e-003	188.9129
Total	0.0736	0.0530	0.6462	1.8400e-003	0.2236	1.1100e-003	0.2247	0.0593	1.0300e-003	0.0603		187.2348	187.2348	5.0800e-003	5.2000e-003	188.9129

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Winter

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

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8146	16.7670	17.4392	0.0288		0.8645	0.8645		0.8122	0.8122		2,737.1520	2,737.1520	0.6711		2,753.9288
Total	1.8146	16.7670	17.4392	0.0288		0.8645	0.8645		0.8122	0.8122		2,737.1520	2,737.1520	0.6711		2,753.9288

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	0.1277	3.6530	1.2520	0.0149	0.5252	0.0501	0.5753	0.1512	0.0480	0.1992		1,583.8773	1,583.8773	0.0165	0.2351	1,654.3393
Worker	0.7731	0.5567	6.7848	0.0193	2.3473	0.0117	2.3590	0.6225	0.0108	0.6333		1,965.9650	1,965.9650	0.0534	0.0547	1,983.5851
Total	0.9008	4.2097	8.0368	0.0343	2.8725	0.0618	2.9343	0.7738	0.0587	0.8325		3,549.8423	3,549.8423	0.0699	0.2897	3,637.9243

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Winter

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

3.5 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8146	16.7670	17.4392	0.0288		0.8645	0.8645		0.8122	0.8122	0.0000	2,737.1520	2,737.1520	0.6711		2,753.9288
Total	1.8146	16.7670	17.4392	0.0288		0.8645	0.8645		0.8122	0.8122	0.0000	2,737.1520	2,737.1520	0.6711		2,753.9288

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	0.1277	3.6530	1.2520	0.0149	0.5252	0.0501	0.5753	0.1512	0.0480	0.1992		1,583.8773	1,583.8773	0.0165	0.2351	1,654.3393
Worker	0.7731	0.5567	6.7848	0.0193	2.3473	0.0117	2.3590	0.6225	0.0108	0.6333		1,965.9650	1,965.9650	0.0534	0.0547	1,983.5851
Total	0.9008	4.2097	8.0368	0.0343	2.8725	0.0618	2.9343	0.7738	0.0587	0.8325		3,549.8423	3,549.8423	0.0699	0.2897	3,637.9243

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Winter

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

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6735	15.4377	17.3101	0.0288		0.7481	0.7481		0.7029	0.7029		2,738.1535	2,738.1535	0.6670		2,754.8288
Total	1.6735	15.4377	17.3101	0.0288		0.7481	0.7481		0.7029	0.7029		2,738.1535	2,738.1535	0.6670		2,754.8288

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	0.0856	2.8411	1.1402	0.0144	0.5252	0.0234	0.5486	0.1512	0.0224	0.1736		1,522.9926	1,522.9926	0.0152	0.2252	1,590.4947
Worker	0.7191	0.4919	6.2558	0.0187	2.3473	0.0110	2.3583	0.6225	0.0101	0.6327		1,914.5917	1,914.5917	0.0481	0.0504	1,930.8193
Total	0.8047	3.3330	7.3960	0.0331	2.8725	0.0344	2.9070	0.7737	0.0325	0.8063		3,437.5842	3,437.5842	0.0633	0.2757	3,521.3140

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Winter

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

3.5 Building Construction - 2023

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	1.6735	15.4377	17.3101	0.0288		0.7481	0.7481		0.7029	0.7029	0.0000	2,738.1535	2,738.1535	0.6670		2,754.8288
Total	1.6735	15.4377	17.3101	0.0288		0.7481	0.7481		0.7029	0.7029	0.0000	2,738.1535	2,738.1535	0.6670		2,754.8288

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	0.0856	2.8411	1.1402	0.0144	0.5252	0.0234	0.5486	0.1512	0.0224	0.1736		1,522.9926	1,522.9926	0.0152	0.2252	1,590.4947
Worker	0.7191	0.4919	6.2558	0.0187	2.3473	0.0110	2.3583	0.6225	0.0101	0.6327		1,914.5917	1,914.5917	0.0481	0.0504	1,930.8193
Total	0.8047	3.3330	7.3960	0.0331	2.8725	0.0344	2.9070	0.7737	0.0325	0.8063		3,437.5842	3,437.5842	0.0633	0.2757	3,521.3140

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Winter

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

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.7572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7899	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0514	0.0351	0.4468	1.3400e-003	0.1677	7.9000e-004	0.1685	0.0445	7.2000e-004	0.0452		136.7566	136.7566	3.4300e-003	3.6000e-003	137.9157
Total	0.0514	0.0351	0.4468	1.3400e-003	0.1677	7.9000e-004	0.1685	0.0445	7.2000e-004	0.0452		136.7566	136.7566	3.4300e-003	3.6000e-003	137.9157

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Winter

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

3.6 Paving - 2023

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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.584 1	2,207.584 1	0.7140		2,225.433 6
Paving	0.7572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7899	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.584 1	2,207.584 1	0.7140		2,225.433 6

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0514	0.0351	0.4468	1.3400e-003	0.1677	7.9000e-004	0.1685	0.0445	7.2000e-004	0.0452		136.7566	136.7566	3.4300e-003	3.6000e-003	137.9157
Total	0.0514	0.0351	0.4468	1.3400e-003	0.1677	7.9000e-004	0.1685	0.0445	7.2000e-004	0.0452		136.7566	136.7566	3.4300e-003	3.6000e-003	137.9157

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Winter

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

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	63.2101					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2556	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944		375.2641	375.2641	0.0225		375.8253
Total	63.4657	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944		375.2641	375.2641	0.0225		375.8253

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1438	0.0984	1.2512	3.7400e-003	0.4695	2.2000e-003	0.4717	0.1245	2.0300e-003	0.1265		382.9183	382.9183	9.6200e-003	0.0101	386.1639
Total	0.1438	0.0984	1.2512	3.7400e-003	0.4695	2.2000e-003	0.4717	0.1245	2.0300e-003	0.1265		382.9183	382.9183	9.6200e-003	0.0101	386.1639

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Winter

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

3.7 Architectural Coating - 2023

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	63.2101					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2556	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944	0.0000	375.2641	375.2641	0.0225		375.8253
Total	63.4657	1.7373	2.4148	3.9600e-003		0.0944	0.0944		0.0944	0.0944	0.0000	375.2641	375.2641	0.0225		375.8253

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1438	0.0984	1.2512	3.7400e-003	0.4695	2.2000e-003	0.4717	0.1245	2.0300e-003	0.1265		382.9183	382.9183	9.6200e-003	0.0101	386.1639
Total	0.1438	0.0984	1.2512	3.7400e-003	0.4695	2.2000e-003	0.4717	0.1245	2.0300e-003	0.1265		382.9183	382.9183	9.6200e-003	0.0101	386.1639

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Winter

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5038	22.3971	5.6300	0.1276	5.3494	0.2509	5.6003	1.5106	0.2400	1.7506		13,504.40 48	13,504.40 48	0.1407	1.8822	14,068.80 85
Unmitigated	0.5038	22.3971	5.6300	0.1276	5.3494	0.2509	5.6003	1.5106	0.2400	1.7506		13,504.40 48	13,504.40 48	0.1407	1.8822	14,068.80 85

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Light Industry	27.95	11.34	28.21	347,803	347,803
General Light Industry	31.54	12.79	31.83	392,413	392,413
General Light Industry	24.98	10.13	25.22	310,857	310,857
General Light Industry	24.69	10.01	24.92	307,190	307,190
Other Asphalt Surfaces	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	27.00	27.00	27.00	366,607	366,607
Unrefrigerated Warehouse-No Rail	23.78	23.78	23.78	322,892	322,892
Total	159.93	95.06	160.96	2,047,760	2,047,760

4.3 Trip Type Information

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Winter

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

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
General Light Industry	40.00	40.00	40.00	59.00	28.00	13.00	92	5	3
General Light Industry	40.00	40.00	40.00	59.00	28.00	13.00	92	5	3
General Light Industry	40.00	40.00	40.00	59.00	28.00	13.00	92	5	3
General Light Industry	40.00	40.00	40.00	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
Unrefrigerated Warehouse-No	40.00	40.00	40.00	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	40.00	40.00	40.00	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
General Light Industry	0.000000	0.000000	0.000000	0.000000	0.186916	0.186916	0.182243	0.443925	0.000000	0.000000	0.000000	0.000000	0.000000
Other Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Unrefrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.083631	0.083631	0.207210	0.625528	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1040	0.9450	0.7938	5.6700e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151
NaturalGas Unmitigated	0.1040	0.9450	0.7938	5.6700e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Winter

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	2062.83	0.0223	0.2022	0.1699	1.2100e-003		0.0154	0.0154		0.0154	0.0154		242.6860	242.6860	4.6500e-003	4.4500e-003	244.1282
General Light Industry	2087.46	0.0225	0.2047	0.1719	1.2300e-003		0.0156	0.0156		0.0156	0.0156		245.5830	245.5830	4.7100e-003	4.5000e-003	247.0423
General Light Industry	2335.55	0.0252	0.2290	0.1923	1.3700e-003		0.0174	0.0174		0.0174	0.0174		274.7711	274.7711	5.2700e-003	5.0400e-003	276.4040
General Light Industry	2635.12	0.0284	0.2583	0.2170	1.5500e-003		0.0196	0.0196		0.0196	0.0196		310.0137	310.0137	5.9400e-003	5.6800e-003	311.8560
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	242.505	2.6200e-003	0.0238	0.0200	1.4000e-004		1.8100e-003	1.8100e-003		1.8100e-003	1.8100e-003		28.5300	28.5300	5.5000e-004	5.2000e-004	28.6996
Unrefrigerated Warehouse-No Rail	275.337	2.9700e-003	0.0270	0.0227	1.6000e-004		2.0500e-003	2.0500e-003		2.0500e-003	2.0500e-003		32.3926	32.3926	6.2000e-004	5.9000e-004	32.5851
Total		0.1040	0.9450	0.7938	5.6600e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Winter

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	2.06283	0.0223	0.2022	0.1699	1.2100e-003		0.0154	0.0154		0.0154	0.0154		242.6860	242.6860	4.6500e-003	4.4500e-003	244.1282
General Light Industry	2.08746	0.0225	0.2047	0.1719	1.2300e-003		0.0156	0.0156		0.0156	0.0156		245.5830	245.5830	4.7100e-003	4.5000e-003	247.0423
General Light Industry	2.33555	0.0252	0.2290	0.1923	1.3700e-003		0.0174	0.0174		0.0174	0.0174		274.7711	274.7711	5.2700e-003	5.0400e-003	276.4040
General Light Industry	2.63512	0.0284	0.2583	0.2170	1.5500e-003		0.0196	0.0196		0.0196	0.0196		310.0137	310.0137	5.9400e-003	5.6800e-003	311.8560
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0.242505	2.6200e-003	0.0238	0.0200	1.4000e-004		1.8100e-003	1.8100e-003		1.8100e-003	1.8100e-003		28.5300	28.5300	5.5000e-004	5.2000e-004	28.6996
Unrefrigerated Warehouse-No Rail	0.275337	2.9700e-003	0.0270	0.0227	1.6000e-004		2.0500e-003	2.0500e-003		2.0500e-003	2.0500e-003		32.3926	32.3926	6.2000e-004	5.9000e-004	32.5851
Total		0.1040	0.9450	0.7938	5.6600e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151

6.0 Area Detail

6.1 Mitigation Measures Area

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.5140	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476
Unmitigated	4.5140	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476

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	0.5195					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9926					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9300e-003	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476
Total	4.5141	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Winter

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5195					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9926					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9300e-003	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476
Total	4.5141	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476

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	6	8.00	260	89	0.20	CNG

Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Winter

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

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Forklifts	0.0873	4.2560	55.6126	9.1700e-003		0.0686	0.0686		0.0686	0.0686	0.0000	1,160.1951	1,160.1951	0.3752		1,169.5758
Total	0.0873	4.2560	55.6126	9.1700e-003		0.0686	0.0686		0.0686	0.0686	0.0000	1,160.1951	1,160.1951	0.3752		1,169.5758

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Fire Pump	6	1	50	238	0.73	Diesel

Boilers

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

Equipment Type	Number
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Alessandro & Old 215 Frontage Industrial Park (Trucks) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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					
Fire Pump - Diesel (175 - 300 HP)	2.3431	6.5498	5.9753	0.0113		0.3447	0.3447		0.3447	0.3447		1,198.826 2	1,198.826 2	0.1681		1,203.028 1
Total	2.3431	6.5498	5.9753	0.0113		0.3447	0.3447		0.3447	0.3447		1,198.826 2	1,198.826 2	0.1681		1,203.028 1

11.0 Vegetation

CalEEMod Sheets Operation (No Trucks)

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Annual

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

Alessandro & Old 215 Frontage Industrial Park (Auto)

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	26.37	1000sqft	0.61	26,368.00	0
General Light Industry	29.75	1000sqft	0.68	29,750.00	0
General Light Industry	23.57	1000sqft	0.54	23,567.00	0
General Light Industry	23.29	1000sqft	0.53	23,289.00	0
Unrefrigerated Warehouse-No Rail	50.00	1000sqft	1.15	49,999.00	0
Unrefrigerated Warehouse-No Rail	44.04	1000sqft	1.01	44,037.00	0
Other Asphalt Surfaces	5.78	Acre	5.78	251,776.80	0
City Park	1.16	Acre	1.16	50,529.60	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2023
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 - Auto Operation Only

Off-road Equipment - Auto Operation Only

Grading -

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Annual

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

Vehicle Trips - Auto Trip Only (Translutions 2021)

Fleet Mix - Auto trip only.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	PhaseEndDate	9/3/2021	8/20/2021
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.53	0.50
tblFleetMix	LDA	0.53	0.50
tblFleetMix	LDT1	0.06	0.25
tblFleetMix	LDT1	0.06	0.25
tblFleetMix	LDT2	0.17	0.25
tblFleetMix	LDT2	0.17	0.25
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.3100e-003	0.00
tblFleetMix	LHD2	7.3100e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	5.4680e-003	0.00
tblFleetMix	MH	5.4680e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	6.1600e-004	0.00
tblFleetMix	OBUS	6.1600e-004	0.00
tblFleetMix	SBUS	1.1000e-003	0.00

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Annual

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

tblFleetMix	SBUS	1.1000e-003	0.00
tblFleetMix	UBUS	3.1500e-004	0.00
tblFleetMix	UBUS	3.1500e-004	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	1.99	1.56
tblVehicleTrips	ST_TR	1.74	1.20
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	5.00	3.93
tblVehicleTrips	SU_TR	1.74	1.20
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	4.96	3.90
tblVehicleTrips	WD_TR	1.74	1.21

2.0 Emissions Summary

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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)
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Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Annual

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

		Highest		
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2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.8237	2.0000e-005	2.6000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.0600e-003	5.0600e-003	1.0000e-005	0.0000	5.3900e-003
Energy	0.0190	0.1725	0.1449	1.0300e-003		0.0131	0.0131		0.0131	0.0131	0.0000	407.5917	407.5917	0.0222	5.6900e-003	409.8415
Mobile	0.1502	0.1791	2.3181	6.5200e-003	0.7898	3.8100e-003	0.7936	0.2096	3.5100e-003	0.2131	0.0000	605.7317	605.7317	0.0167	0.0167	611.1238
Waste						0.0000	0.0000		0.0000	0.0000	43.8826	0.0000	43.8826	2.5934	0.0000	108.7173
Water						0.0000	0.0000		0.0000	0.0000	14.4536	107.9278	122.3814	1.4936	0.0362	170.4971
Total	0.9928	0.3516	2.4656	7.5500e-003	0.7898	0.0169	0.8067	0.2096	0.0166	0.2263	58.3362	1,121.2562	1,179.5924	4.1259	0.0586	1,300.1850

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Annual

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.8237	2.0000e-005	2.6000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.0600e-003	5.0600e-003	1.0000e-005	0.0000	5.3900e-003
Energy	0.0190	0.1725	0.1449	1.0300e-003		0.0131	0.0131		0.0131	0.0131	0.0000	407.5917	407.5917	0.0222	5.6900e-003	409.8415
Mobile	0.1502	0.1791	2.3181	6.5200e-003	0.7898	3.8100e-003	0.7936	0.2096	3.5100e-003	0.2131	0.0000	605.7317	605.7317	0.0167	0.0167	611.1238
Waste						0.0000	0.0000		0.0000	0.0000	43.8826	0.0000	43.8826	2.5934	0.0000	108.7173
Water						0.0000	0.0000		0.0000	0.0000	14.4536	107.9278	122.3814	1.4936	0.0362	170.4971
Total	0.9928	0.3516	2.4656	7.5500e-003	0.7898	0.0169	0.8067	0.2096	0.0166	0.2263	58.3362	1,121.2562	1,179.5924	4.1259	0.0586	1,300.1850

	ROG	NOx	CO	SO2	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	Auto Operation Only	Site Preparation	8/21/2021	8/20/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Annual

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

Acres of Grading (Grading Phase): 0

Acres of Paving: 5.78

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
Auto Operation Only	Rubber Tired Dozers	0	8.00	247	0.40
Auto Operation Only	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
Auto Operation Only	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Annual

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1502	0.1791	2.3181	6.5200e-003	0.7898	3.8100e-003	0.7936	0.2096	3.5100e-003	0.2131	0.0000	605.7317	605.7317	0.0167	0.0167	611.1238
Unmitigated	0.1502	0.1791	2.3181	6.5200e-003	0.7898	3.8100e-003	0.7936	0.2096	3.5100e-003	0.2131	0.0000	605.7317	605.7317	0.0167	0.0167	611.1238

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Light Industry	102.84	41.13	103.63	416,850	416,850
General Light Industry	116.03	46.41	116.92	470,316	470,316
General Light Industry	91.91	36.76	92.62	372,570	372,570
General Light Industry	90.83	36.33	91.53	368,175	368,175
Other Asphalt Surfaces	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	60.50	60.00	60.00	258,668	258,668
Unrefrigerated Warehouse-No Rail	53.28	52.84	52.84	227,824	227,824
Total	515.38	273.48	517.53	2,114,404	2,114,404

4.3 Trip Type Information

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Annual

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

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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
General Light Industry	0.500000	0.250000	0.250000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Unrefrigerated Warehouse-No Rail	0.500000	0.250000	0.250000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	219.8492	219.8492	0.0186	2.2500e-003	220.9833
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	219.8492	219.8492	0.0186	2.2500e-003	220.9833
Natural Gas Mitigated	0.0190	0.1725	0.1449	1.0300e-003		0.0131	0.0131		0.0131	0.0131	0.0000	187.7425	187.7425	3.6000e-003	3.4400e-003	188.8582
Natural Gas Unmitigated	0.0190	0.1725	0.1449	1.0300e-003		0.0131	0.0131		0.0131	0.0131	0.0000	187.7425	187.7425	3.6000e-003	3.4400e-003	188.8582

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Annual

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	752933	4.0600e-003	0.0369	0.0310	2.2000e-004		2.8100e-003	2.8100e-003		2.8100e-003	2.8100e-003	0.0000	40.1794	40.1794	7.7000e-004	7.4000e-004	40.4182
General Light Industry	761921	4.1100e-003	0.0374	0.0314	2.2000e-004		2.8400e-003	2.8400e-003		2.8400e-003	2.8400e-003	0.0000	40.6590	40.6590	7.8000e-004	7.5000e-004	40.9006
General Light Industry	852477	4.6000e-003	0.0418	0.0351	2.5000e-004		3.1800e-003	3.1800e-003		3.1800e-003	3.1800e-003	0.0000	45.4914	45.4914	8.7000e-004	8.3000e-004	45.7618
General Light Industry	961818	5.1900e-003	0.0472	0.0396	2.8000e-004		3.5800e-003	3.5800e-003		3.5800e-003	3.5800e-003	0.0000	51.3262	51.3262	9.8000e-004	9.4000e-004	51.6313
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	100498	5.4000e-004	4.9300e-003	4.1400e-003	3.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	5.3630	5.3630	1.0000e-004	1.0000e-004	5.3948
Unrefrigerated Warehouse-No Rail	88514.4	4.8000e-004	4.3400e-003	3.6400e-003	3.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	4.7235	4.7235	9.0000e-005	9.0000e-005	4.7515
Total		0.0190	0.1725	0.1449	1.0300e-003		0.0131	0.0131		0.0131	0.0131	0.0000	187.7425	187.7425	3.5900e-003	3.4500e-003	188.8582

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Annual

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	752933	4.0600e-003	0.0369	0.0310	2.2000e-004		2.8100e-003	2.8100e-003		2.8100e-003	2.8100e-003	0.0000	40.1794	40.1794	7.7000e-004	7.4000e-004	40.4182
General Light Industry	761921	4.1100e-003	0.0374	0.0314	2.2000e-004		2.8400e-003	2.8400e-003		2.8400e-003	2.8400e-003	0.0000	40.6590	40.6590	7.8000e-004	7.5000e-004	40.9006
General Light Industry	852477	4.6000e-003	0.0418	0.0351	2.5000e-004		3.1800e-003	3.1800e-003		3.1800e-003	3.1800e-003	0.0000	45.4914	45.4914	8.7000e-004	8.3000e-004	45.7618
General Light Industry	961818	5.1900e-003	0.0472	0.0396	2.8000e-004		3.5800e-003	3.5800e-003		3.5800e-003	3.5800e-003	0.0000	51.3262	51.3262	9.8000e-004	9.4000e-004	51.6313
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	100498	5.4000e-004	4.9300e-003	4.1400e-003	3.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	5.3630	5.3630	1.0000e-004	1.0000e-004	5.3948
Unrefrigerated Warehouse-No Rail	88514.4	4.8000e-004	4.3400e-003	3.6400e-003	3.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	4.7235	4.7235	9.0000e-005	9.0000e-005	4.7515
Total		0.0190	0.1725	0.1449	1.0300e-003		0.0131	0.0131		0.0131	0.0131	0.0000	187.7425	187.7425	3.5900e-003	3.4500e-003	188.8582

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Annual

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

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	231027	40.9716	3.4600e-003	4.2000e-004	41.1830
General Light Industry	233785	41.4607	3.5000e-003	4.2000e-004	41.6746
General Light Industry	261571	46.3884	3.9200e-003	4.7000e-004	46.6277
General Light Industry	295120	52.3382	4.4200e-003	5.4000e-004	52.6082
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	102166	18.1187	1.5300e-003	1.9000e-004	18.2121
Unrefrigerated Warehouse-No Rail	115998	20.5717	1.7400e-003	2.1000e-004	20.6778
Total		219.8492	0.0186	2.2500e-003	220.9833

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Annual

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

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	231027	40.9716	3.4600e-003	4.2000e-004	41.1830
General Light Industry	233785	41.4607	3.5000e-003	4.2000e-004	41.6746
General Light Industry	261571	46.3884	3.9200e-003	4.7000e-004	46.6277
General Light Industry	295120	52.3382	4.4200e-003	5.4000e-004	52.6082
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	102166	18.1187	1.5300e-003	1.9000e-004	18.2121
Unrefrigerated Warehouse-No Rail	115998	20.5717	1.7400e-003	2.1000e-004	20.6778
Total		219.8492	0.0186	2.2500e-003	220.9833

6.0 Area Detail

6.1 Mitigation Measures Area

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.8237	2.0000e-005	2.6000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.0600e-003	5.0600e-003	1.0000e-005	0.0000	5.3900e-003
Unmitigated	0.8237	2.0000e-005	2.6000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.0600e-003	5.0600e-003	1.0000e-005	0.0000	5.3900e-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	0.0948					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7287					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.4000e-004	2.0000e-005	2.6000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.0600e-003	5.0600e-003	1.0000e-005	0.0000	5.3900e-003
Total	0.8237	2.0000e-005	2.6000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.0600e-003	5.0600e-003	1.0000e-005	0.0000	5.3900e-003

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Annual

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0948					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7287					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.4000e-004	2.0000e-005	2.6000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.0600e-003	5.0600e-003	1.0000e-005	0.0000	5.3900e-003
Total	0.8237	2.0000e-005	2.6000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.0600e-003	5.0600e-003	1.0000e-005	0.0000	5.3900e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Annual

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	122.3814	1.4936	0.0362	170.4971
Unmitigated	122.3814	1.4936	0.0362	170.4971

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 1.38212	2.7232	2.3000e-004	3.0000e-005	2.7373
General Light Industry	23.8118 / 0	62.5410	0.7806	0.0189	87.6820
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	21.7467 / 0	57.1172	0.7129	0.0173	80.0779
Total		122.3814	1.4936	0.0362	170.4971

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Annual

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

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 1.38212	2.7232	2.3000e-004	3.0000e-005	2.7373
General Light Industry	23.8118 / 0	62.5410	0.7806	0.0189	87.6820
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	21.7467 / 0	57.1172	0.7129	0.0173	80.0779
Total		122.3814	1.4936	0.0362	170.4971

8.0 Waste Detail

8.1 Mitigation Measures Waste

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Annual

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

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	43.8826	2.5934	0.0000	108.7173
Unmitigated	43.8826	2.5934	0.0000	108.7173

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.1	0.0203	1.2000e-003	0.0000	0.0503
General Light Industry	127.68	25.9179	1.5317	0.0000	64.2105
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	88.4	17.9444	1.0605	0.0000	44.4565
Total		43.8826	2.5934	0.0000	108.7173

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Annual

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

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.1	0.0203	1.2000e-003	0.0000	0.0503
General Light Industry	127.68	25.9179	1.5317	0.0000	64.2105
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	88.4	17.9444	1.0605	0.0000	44.4565
Total		43.8826	2.5934	0.0000	108.7173

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Annual

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

Equipment Type	Number
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11.0 Vegetation

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Summer

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

Alessandro & Old 215 Frontage Industrial Park (Auto)

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	26.37	1000sqft	0.61	26,368.00	0
General Light Industry	29.75	1000sqft	0.68	29,750.00	0
General Light Industry	23.57	1000sqft	0.54	23,567.00	0
General Light Industry	23.29	1000sqft	0.53	23,289.00	0
Unrefrigerated Warehouse-No Rail	50.00	1000sqft	1.15	49,999.00	0
Unrefrigerated Warehouse-No Rail	44.04	1000sqft	1.01	44,037.00	0
Other Asphalt Surfaces	5.78	Acre	5.78	251,776.80	0
City Park	1.16	Acre	1.16	50,529.60	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2023
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 - Auto Operation Only
- Off-road Equipment - Auto Operation Only
- Grading -

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Summer

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

Vehicle Trips - Auto Trip Only (Translutions 2021)

Fleet Mix - Auto trip only.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	PhaseEndDate	9/3/2021	8/20/2021
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.53	0.50
tblFleetMix	LDA	0.53	0.50
tblFleetMix	LDT1	0.06	0.25
tblFleetMix	LDT1	0.06	0.25
tblFleetMix	LDT2	0.17	0.25
tblFleetMix	LDT2	0.17	0.25
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.3100e-003	0.00
tblFleetMix	LHD2	7.3100e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	5.4680e-003	0.00
tblFleetMix	MH	5.4680e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	6.1600e-004	0.00
tblFleetMix	OBUS	6.1600e-004	0.00
tblFleetMix	SBUS	1.1000e-003	0.00

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Summer

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

tblFleetMix	SBUS	1.1000e-003	0.00
tblFleetMix	UBUS	3.1500e-004	0.00
tblFleetMix	UBUS	3.1500e-004	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	1.99	1.56
tblVehicleTrips	ST_TR	1.74	1.20
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	5.00	3.93
tblVehicleTrips	SU_TR	1.74	1.20
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	4.96	3.90
tblVehicleTrips	WD_TR	1.74	1.21

2.0 Emissions Summary

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Summer

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.5140	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476
Energy	0.1040	0.9450	0.7938	5.6700e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151
Mobile	1.0927	0.9981	15.9339	0.0417	4.7580	0.0226	4.7807	1.2613	0.0208	1.2821		4,270.2151	4,270.2151	0.1075	0.1048	4,304.1228
Total	5.7107	1.9432	16.7485	0.0474	4.7580	0.0945	4.8525	1.2613	0.0927	1.3540		5,404.2361	5,404.2361	0.1293	0.1256	5,444.8855

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.5140	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476
Energy	0.1040	0.9450	0.7938	5.6700e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151
Mobile	1.0927	0.9981	15.9339	0.0417	4.7580	0.0226	4.7807	1.2613	0.0208	1.2821		4,270.2151	4,270.2151	0.1075	0.1048	4,304.1228
Total	5.7107	1.9432	16.7485	0.0474	4.7580	0.0945	4.8525	1.2613	0.0927	1.3540		5,404.2361	5,404.2361	0.1293	0.1256	5,444.8855

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Summer

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Auto Operation Only	Site Preparation	8/21/2021	8/20/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 5.78

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
Auto Operation Only	Rubber Tired Dozers	0	8.00	247	0.40
Auto Operation Only	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
Auto Operation Only	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Summer

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.0927	0.9981	15.9339	0.0417	4.7580	0.0226	4.7807	1.2613	0.0208	1.2821		4,270.215 1	4,270.215 1	0.1075	0.1048	4,304.122 8
Unmitigated	1.0927	0.9981	15.9339	0.0417	4.7580	0.0226	4.7807	1.2613	0.0208	1.2821		4,270.215 1	4,270.215 1	0.1075	0.1048	4,304.122 8

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Light Industry	102.84	41.13	103.63	416,850	416,850
General Light Industry	116.03	46.41	116.92	470,316	470,316
General Light Industry	91.91	36.76	92.62	372,570	372,570
General Light Industry	90.83	36.33	91.53	368,175	368,175
Other Asphalt Surfaces	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	60.50	60.00	60.00	258,668	258,668
Unrefrigerated Warehouse-No Rail	53.28	52.84	52.84	227,824	227,824
Total	515.38	273.48	517.53	2,114,404	2,114,404

4.3 Trip Type Information

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Summer

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

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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
General Light Industry	0.500000	0.250000	0.250000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Unrefrigerated Warehouse-No Rail	0.500000	0.250000	0.250000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1040	0.9450	0.7938	5.6700e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151
NaturalGas Unmitigated	0.1040	0.9450	0.7938	5.6700e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Summer

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	2062.83	0.0223	0.2022	0.1699	1.2100e-003		0.0154	0.0154		0.0154	0.0154		242.6860	242.6860	4.6500e-003	4.4500e-003	244.1282
General Light Industry	2087.46	0.0225	0.2047	0.1719	1.2300e-003		0.0156	0.0156		0.0156	0.0156		245.5830	245.5830	4.7100e-003	4.5000e-003	247.0423
General Light Industry	2335.55	0.0252	0.2290	0.1923	1.3700e-003		0.0174	0.0174		0.0174	0.0174		274.7711	274.7711	5.2700e-003	5.0400e-003	276.4040
General Light Industry	2635.12	0.0284	0.2583	0.2170	1.5500e-003		0.0196	0.0196		0.0196	0.0196		310.0137	310.0137	5.9400e-003	5.6800e-003	311.8560
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	242.505	2.6200e-003	0.0238	0.0200	1.4000e-004		1.8100e-003	1.8100e-003		1.8100e-003	1.8100e-003		28.5300	28.5300	5.5000e-004	5.2000e-004	28.6996
Unrefrigerated Warehouse-No Rail	275.337	2.9700e-003	0.0270	0.0227	1.6000e-004		2.0500e-003	2.0500e-003		2.0500e-003	2.0500e-003		32.3926	32.3926	6.2000e-004	5.9000e-004	32.5851
Total		0.1040	0.9450	0.7938	5.6600e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Summer

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

5.2 Energy by Land Use - Natural Gas

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	2.06283	0.0223	0.2022	0.1699	1.2100e-003		0.0154	0.0154		0.0154	0.0154		242.6860	242.6860	4.6500e-003	4.4500e-003	244.1282
General Light Industry	2.08746	0.0225	0.2047	0.1719	1.2300e-003		0.0156	0.0156		0.0156	0.0156		245.5830	245.5830	4.7100e-003	4.5000e-003	247.0423
General Light Industry	2.33555	0.0252	0.2290	0.1923	1.3700e-003		0.0174	0.0174		0.0174	0.0174		274.7711	274.7711	5.2700e-003	5.0400e-003	276.4040
General Light Industry	2.63512	0.0284	0.2583	0.2170	1.5500e-003		0.0196	0.0196		0.0196	0.0196		310.0137	310.0137	5.9400e-003	5.6800e-003	311.8560
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0.242505	2.6200e-003	0.0238	0.0200	1.4000e-004		1.8100e-003	1.8100e-003		1.8100e-003	1.8100e-003		28.5300	28.5300	5.5000e-004	5.2000e-004	28.6996
Unrefrigerated Warehouse-No Rail	0.275337	2.9700e-003	0.0270	0.0227	1.6000e-004		2.0500e-003	2.0500e-003		2.0500e-003	2.0500e-003		32.3926	32.3926	6.2000e-004	5.9000e-004	32.5851
Total		0.1040	0.9450	0.7938	5.6600e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151

6.0 Area Detail

6.1 Mitigation Measures Area

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.5140	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476
Unmitigated	4.5140	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476

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	0.5195					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9926					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9300e-003	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476
Total	4.5141	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Summer

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5195					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9926					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9300e-003	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476
Total	4.5141	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476

7.0 Water Detail

7.1 Mitigation Measures Water

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Summer

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Winter

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

Alessandro & Old 215 Frontage Industrial Park (Auto)

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	26.37	1000sqft	0.61	26,368.00	0
General Light Industry	29.75	1000sqft	0.68	29,750.00	0
General Light Industry	23.57	1000sqft	0.54	23,567.00	0
General Light Industry	23.29	1000sqft	0.53	23,289.00	0
Unrefrigerated Warehouse-No Rail	50.00	1000sqft	1.15	49,999.00	0
Unrefrigerated Warehouse-No Rail	44.04	1000sqft	1.01	44,037.00	0
Other Asphalt Surfaces	5.78	Acre	5.78	251,776.80	0
City Park	1.16	Acre	1.16	50,529.60	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2023
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 - Auto Operation Only

Off-road Equipment - Auto Operation Only

Grading -

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Winter

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

Vehicle Trips - Auto Trip Only (Translutions 2021)

Fleet Mix - Auto trip only.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	PhaseEndDate	9/3/2021	8/20/2021
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.53	0.50
tblFleetMix	LDA	0.53	0.50
tblFleetMix	LDT1	0.06	0.25
tblFleetMix	LDT1	0.06	0.25
tblFleetMix	LDT2	0.17	0.25
tblFleetMix	LDT2	0.17	0.25
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.3100e-003	0.00
tblFleetMix	LHD2	7.3100e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	5.4680e-003	0.00
tblFleetMix	MH	5.4680e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	6.1600e-004	0.00
tblFleetMix	OBUS	6.1600e-004	0.00
tblFleetMix	SBUS	1.1000e-003	0.00

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Winter

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

tblFleetMix	SBUS	1.1000e-003	0.00
tblFleetMix	UBUS	3.1500e-004	0.00
tblFleetMix	UBUS	3.1500e-004	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	1.99	1.56
tblVehicleTrips	ST_TR	1.74	1.20
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	5.00	3.93
tblVehicleTrips	SU_TR	1.74	1.20
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	4.96	3.90
tblVehicleTrips	WD_TR	1.74	1.21

2.0 Emissions Summary

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Winter

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.5140	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476
Energy	0.1040	0.9450	0.7938	5.6700e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151
Mobile	0.8728	1.0357	13.0795	0.0378	4.7580	0.0226	4.7807	1.2613	0.0208	1.2821		3,870.4781	3,870.4781	0.1088	0.1073	3,905.1627
Total	5.4908	1.9809	13.8941	0.0435	4.7580	0.0945	4.8525	1.2613	0.0927	1.3540		5,004.4991	5,004.4991	0.1307	0.1281	5,045.9253

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.5140	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476
Energy	0.1040	0.9450	0.7938	5.6700e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151
Mobile	0.8728	1.0357	13.0795	0.0378	4.7580	0.0226	4.7807	1.2613	0.0208	1.2821		3,870.4781	3,870.4781	0.1088	0.1073	3,905.1627
Total	5.4908	1.9809	13.8941	0.0435	4.7580	0.0945	4.8525	1.2613	0.0927	1.3540		5,004.4991	5,004.4991	0.1307	0.1281	5,045.9253

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Winter

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Auto Operation Only	Site Preparation	8/21/2021	8/20/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 5.78

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
Auto Operation Only	Rubber Tired Dozers	0	8.00	247	0.40
Auto Operation Only	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
Auto Operation Only	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Winter

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.8728	1.0357	13.0795	0.0378	4.7580	0.0226	4.7807	1.2613	0.0208	1.2821		3,870.478 1	3,870.478 1	0.1088	0.1073	3,905.162 7
Unmitigated	0.8728	1.0357	13.0795	0.0378	4.7580	0.0226	4.7807	1.2613	0.0208	1.2821		3,870.478 1	3,870.478 1	0.1088	0.1073	3,905.162 7

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Light Industry	102.84	41.13	103.63	416,850	416,850
General Light Industry	116.03	46.41	116.92	470,316	470,316
General Light Industry	91.91	36.76	92.62	372,570	372,570
General Light Industry	90.83	36.33	91.53	368,175	368,175
Other Asphalt Surfaces	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	60.50	60.00	60.00	258,668	258,668
Unrefrigerated Warehouse-No Rail	53.28	52.84	52.84	227,824	227,824
Total	515.38	273.48	517.53	2,114,404	2,114,404

4.3 Trip Type Information

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Winter

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

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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
General Light Industry	0.500000	0.250000	0.250000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Unrefrigerated Warehouse-No Rail	0.500000	0.250000	0.250000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Natural Gas Mitigated	0.1040	0.9450	0.7938	5.6700e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151
Natural Gas Unmitigated	0.1040	0.9450	0.7938	5.6700e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Winter

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	2062.83	0.0223	0.2022	0.1699	1.2100e-003		0.0154	0.0154		0.0154	0.0154		242.6860	242.6860	4.6500e-003	4.4500e-003	244.1282
General Light Industry	2087.46	0.0225	0.2047	0.1719	1.2300e-003		0.0156	0.0156		0.0156	0.0156		245.5830	245.5830	4.7100e-003	4.5000e-003	247.0423
General Light Industry	2335.55	0.0252	0.2290	0.1923	1.3700e-003		0.0174	0.0174		0.0174	0.0174		274.7711	274.7711	5.2700e-003	5.0400e-003	276.4040
General Light Industry	2635.12	0.0284	0.2583	0.2170	1.5500e-003		0.0196	0.0196		0.0196	0.0196		310.0137	310.0137	5.9400e-003	5.6800e-003	311.8560
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	242.505	2.6200e-003	0.0238	0.0200	1.4000e-004		1.8100e-003	1.8100e-003		1.8100e-003	1.8100e-003		28.5300	28.5300	5.5000e-004	5.2000e-004	28.6996
Unrefrigerated Warehouse-No Rail	275.337	2.9700e-003	0.0270	0.0227	1.6000e-004		2.0500e-003	2.0500e-003		2.0500e-003	2.0500e-003		32.3926	32.3926	6.2000e-004	5.9000e-004	32.5851
Total		0.1040	0.9450	0.7938	5.6600e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Winter

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	2.06283	0.0223	0.2022	0.1699	1.2100e-003		0.0154	0.0154		0.0154	0.0154		242.6860	242.6860	4.6500e-003	4.4500e-003	244.1282
General Light Industry	2.08746	0.0225	0.2047	0.1719	1.2300e-003		0.0156	0.0156		0.0156	0.0156		245.5830	245.5830	4.7100e-003	4.5000e-003	247.0423
General Light Industry	2.33555	0.0252	0.2290	0.1923	1.3700e-003		0.0174	0.0174		0.0174	0.0174		274.7711	274.7711	5.2700e-003	5.0400e-003	276.4040
General Light Industry	2.63512	0.0284	0.2583	0.2170	1.5500e-003		0.0196	0.0196		0.0196	0.0196		310.0137	310.0137	5.9400e-003	5.6800e-003	311.8560
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0.242505	2.6200e-003	0.0238	0.0200	1.4000e-004		1.8100e-003	1.8100e-003		1.8100e-003	1.8100e-003		28.5300	28.5300	5.5000e-004	5.2000e-004	28.6996
Unrefrigerated Warehouse-No Rail	0.275337	2.9700e-003	0.0270	0.0227	1.6000e-004		2.0500e-003	2.0500e-003		2.0500e-003	2.0500e-003		32.3926	32.3926	6.2000e-004	5.9000e-004	32.5851
Total		0.1040	0.9450	0.7938	5.6600e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151

6.0 Area Detail

6.1 Mitigation Measures Area

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.5140	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476
Unmitigated	4.5140	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476

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	0.5195					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9926					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9300e-003	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476
Total	4.5141	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Winter

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5195					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9926					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9300e-003	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476
Total	4.5141	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476

7.0 Water Detail

7.1 Mitigation Measures Water

Alessandro & Old 215 Frontage Industrial Park (Auto) - Riverside-South Coast County, Winter

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

CalEEMod Operation LST (Trucks)

Alessandro & Old 215 Frontage Industrial Park (Trucks LST) - Riverside-South Coast County, Summer

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

Alessandro & Old 215 Frontage Industrial Park (Trucks LST)

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	26.37	1000sqft	0.61	26,368.00	0
General Light Industry	29.75	1000sqft	0.68	29,750.00	0
General Light Industry	23.57	1000sqft	0.54	23,567.00	0
General Light Industry	23.29	1000sqft	0.53	23,289.00	0
Unrefrigerated Warehouse-No Rail	50.00	1000sqft	1.15	49,999.00	0
Unrefrigerated Warehouse-No Rail	44.04	1000sqft	1.01	44,037.00	0
Other Asphalt Surfaces	5.78	Acre	5.78	251,776.80	0
City Park	1.16	Acre	1.16	50,529.60	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	390.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Truck LST Operation only

Vehicle Trips - Trip Rates from Project Trip Gen (Translutions 2021)

Fleet Mix - Truck Splits from Project Trip Gen (Translutions 2021)

Alessandro & Old 215 Frontage Industrial Park (Trucks LST) - Riverside-South Coast County, Summer

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

Operational Off-Road Equipment - 1 forklift per building

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	0.00
tblFleetMix	HHD	0.02	0.44
tblFleetMix	HHD	0.02	0.63
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.03	0.19
tblFleetMix	LHD1	0.03	0.08
tblFleetMix	LHD2	7.3100e-003	0.19
tblFleetMix	LHD2	7.3100e-003	0.08
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	5.4680e-003	0.00
tblFleetMix	MH	5.4680e-003	0.00
tblFleetMix	MHD	0.01	0.18
tblFleetMix	MHD	0.01	0.21
tblFleetMix	OBUS	6.1600e-004	0.00
tblFleetMix	OBUS	6.1600e-004	0.00
tblFleetMix	SBUS	1.1000e-003	0.00
tblFleetMix	SBUS	1.1000e-003	0.00

Alessandro & Old 215 Frontage Industrial Park (Trucks LST) - Riverside-South Coast County, Summer

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

tblFleetMix	UBUS	3.1500e-004	0.00
tblFleetMix	UBUS	3.1500e-004	0.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	6.00
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	238.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	1.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	6.00
tblVehicleTrips	CC_TL	8.40	0.20
tblVehicleTrips	CC_TL	8.40	0.20
tblVehicleTrips	CNW_TL	6.90	0.20
tblVehicleTrips	CNW_TL	6.90	0.20
tblVehicleTrips	CW_TL	16.60	0.20
tblVehicleTrips	CW_TL	16.60	0.20
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	1.99	0.43
tblVehicleTrips	ST_TR	1.74	0.54
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	5.00	1.07
tblVehicleTrips	SU_TR	1.74	0.54
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	4.96	1.06
tblVehicleTrips	WD_TR	1.74	0.54

2.0 Emissions Summary

Alessandro & Old 215 Frontage Industrial Park (Trucks LST) - Riverside-South Coast County, Summer

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.5140	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476
Energy	0.1040	0.9450	0.7938	5.6700e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151
Mobile	0.1463	1.8584	1.6675	2.9800e-003	0.0272	1.8800e-003	0.0291	7.6700e-003	1.8000e-003	9.4700e-003		316.1588	316.1588	8.2200e-003	0.0505	331.4193
Offroad	0.0873	4.2560	55.6126	9.1700e-003		0.0686	0.0686		0.0686	0.0686	0.0000	1,160.1951	1,160.1951	0.3752		1,169.5758
Stationary	2.3431	6.5498	5.9753	0.0113		0.3447	0.3447		0.3447	0.3447		1,198.8262	1,198.8262	0.1681		1,203.0281
Total	7.1947	13.6094	64.0701	0.0291	0.0272	0.4871	0.5143	7.6700e-003	0.4871	0.4947	0.0000	3,809.2010	3,809.2010	0.5734	0.0713	3,844.7858

Alessandro & Old 215 Frontage Industrial Park (Trucks LST) - Riverside-South Coast County, Summer

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.5140	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476
Energy	0.1040	0.9450	0.7938	5.6700e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151
Mobile	0.1463	1.8584	1.6675	2.9800e-003	0.0272	1.8800e-003	0.0291	7.6700e-003	1.8000e-003	9.4700e-003		316.1588	316.1588	8.2200e-003	0.0505	331.4193
Offroad	0.0873	4.2560	55.6126	9.1700e-003		0.0686	0.0686		0.0686	0.0686	0.0000	1,160.1951	1,160.1951	0.3752		1,169.5758
Stationary	2.3431	6.5498	5.9753	0.0113		0.3447	0.3447		0.3447	0.3447		1,198.8262	1,198.8262	0.1681		1,203.0281
Total	7.1947	13.6094	64.0701	0.0291	0.0272	0.4871	0.5143	7.6700e-003	0.4871	0.4947	0.0000	3,809.2010	3,809.2010	0.5734	0.0713	3,844.7858

	ROG	NOx	CO	SO2	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	Truck Operation Only	Site Preparation	7/26/2021	7/25/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Alessandro & Old 215 Frontage Industrial Park (Trucks LST) - Riverside-South Coast County, Summer

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

3.2 Truck Operation Only - 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

Alessandro & Old 215 Frontage Industrial Park (Trucks LST) - Riverside-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1463	1.8584	1.6675	2.9800e-003	0.0272	1.8800e-003	0.0291	7.6700e-003	1.8000e-003	9.4700e-003		316.1588	316.1588	8.2200e-003	0.0505	331.4193
Unmitigated	0.1463	1.8584	1.6675	2.9800e-003	0.0272	1.8800e-003	0.0291	7.6700e-003	1.8000e-003	9.4700e-003		316.1588	316.1588	8.2200e-003	0.0505	331.4193

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Light Industry	27.95	11.34	28.21	1,767	1,767
General Light Industry	31.54	12.79	31.83	1,993	1,993
General Light Industry	24.98	10.13	25.22	1,579	1,579
General Light Industry	24.69	10.01	24.92	1,561	1,561
Other Asphalt Surfaces	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	27.00	27.00	27.00	1,862	1,862
Unrefrigerated Warehouse-No Rail	23.78	23.78	23.78	1,640	1,640
Total	159.93	95.06	160.96	10,403	10,403

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
General Light Industry	0.20	0.20	0.20	59.00	28.00	13.00	92	5	3
General Light Industry	0.20	0.20	0.20	59.00	28.00	13.00	92	5	3
General Light Industry	0.20	0.20	0.20	59.00	28.00	13.00	92	5	3

Alessandro & Old 215 Frontage Industrial Park (Trucks LST) - Riverside-South Coast County, Summer

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

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
General Light Industry	0.20	0.20	0.20	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
Unrefrigerated Warehouse-No	0.20	0.20	0.20	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	0.20	0.20	0.20	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
General Light Industry	0.000000	0.000000	0.000000	0.000000	0.186916	0.186916	0.182243	0.443925	0.000000	0.000000	0.000000	0.000000	0.000000
Other Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Unrefrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.083631	0.083631	0.207210	0.625528	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Alessandro & Old 215 Frontage Industrial Park (Trucks LST) - Riverside-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1040	0.9450	0.7938	5.6700e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151
NaturalGas Unmitigated	0.1040	0.9450	0.7938	5.6700e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151

Alessandro & Old 215 Frontage Industrial Park (Trucks LST) - Riverside-South Coast County, Summer

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	2062.83	0.0223	0.2022	0.1699	1.2100e-003		0.0154	0.0154		0.0154	0.0154		242.6860	242.6860	4.6500e-003	4.4500e-003	244.1282
General Light Industry	2087.46	0.0225	0.2047	0.1719	1.2300e-003		0.0156	0.0156		0.0156	0.0156		245.5830	245.5830	4.7100e-003	4.5000e-003	247.0423
General Light Industry	2335.55	0.0252	0.2290	0.1923	1.3700e-003		0.0174	0.0174		0.0174	0.0174		274.7711	274.7711	5.2700e-003	5.0400e-003	276.4040
General Light Industry	2635.12	0.0284	0.2583	0.2170	1.5500e-003		0.0196	0.0196		0.0196	0.0196		310.0137	310.0137	5.9400e-003	5.6800e-003	311.8560
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	242.505	2.6200e-003	0.0238	0.0200	1.4000e-004		1.8100e-003	1.8100e-003		1.8100e-003	1.8100e-003		28.5300	28.5300	5.5000e-004	5.2000e-004	28.6996
Unrefrigerated Warehouse-No Rail	275.337	2.9700e-003	0.0270	0.0227	1.6000e-004		2.0500e-003	2.0500e-003		2.0500e-003	2.0500e-003		32.3926	32.3926	6.2000e-004	5.9000e-004	32.5851
Total		0.1040	0.9450	0.7938	5.6600e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151

Alessandro & Old 215 Frontage Industrial Park (Trucks LST) - Riverside-South Coast County, Summer

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	2.06283	0.0223	0.2022	0.1699	1.2100e-003		0.0154	0.0154		0.0154	0.0154		242.6860	242.6860	4.6500e-003	4.4500e-003	244.1282
General Light Industry	2.08746	0.0225	0.2047	0.1719	1.2300e-003		0.0156	0.0156		0.0156	0.0156		245.5830	245.5830	4.7100e-003	4.5000e-003	247.0423
General Light Industry	2.33555	0.0252	0.2290	0.1923	1.3700e-003		0.0174	0.0174		0.0174	0.0174		274.7711	274.7711	5.2700e-003	5.0400e-003	276.4040
General Light Industry	2.63512	0.0284	0.2583	0.2170	1.5500e-003		0.0196	0.0196		0.0196	0.0196		310.0137	310.0137	5.9400e-003	5.6800e-003	311.8560
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0.242505	2.6200e-003	0.0238	0.0200	1.4000e-004		1.8100e-003	1.8100e-003		1.8100e-003	1.8100e-003		28.5300	28.5300	5.5000e-004	5.2000e-004	28.6996
Unrefrigerated Warehouse-No Rail	0.275337	2.9700e-003	0.0270	0.0227	1.6000e-004		2.0500e-003	2.0500e-003		2.0500e-003	2.0500e-003		32.3926	32.3926	6.2000e-004	5.9000e-004	32.5851
Total		0.1040	0.9450	0.7938	5.6600e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151

6.0 Area Detail

6.1 Mitigation Measures Area

Alessandro & Old 215 Frontage Industrial Park (Trucks LST) - Riverside-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.5140	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476
Unmitigated	4.5140	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476

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	0.5195					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9926					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9300e-003	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476
Total	4.5141	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476

Alessandro & Old 215 Frontage Industrial Park (Trucks LST) - Riverside-South Coast County, Summer

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5195					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9926					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9300e-003	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476
Total	4.5141	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476

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	6	8.00	260	89	0.20	CNG

Alessandro & Old 215 Frontage Industrial Park (Trucks LST) - Riverside-South Coast County, Summer

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

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Forklifts	0.0873	4.2560	55.6126	9.1700e-003		0.0686	0.0686		0.0686	0.0686	0.0000	1,160.1951	1,160.1951	0.3752		1,169.5758
Total	0.0873	4.2560	55.6126	9.1700e-003		0.0686	0.0686		0.0686	0.0686	0.0000	1,160.1951	1,160.1951	0.3752		1,169.5758

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Fire Pump	6	1	50	238	0.73	Diesel

Boilers

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

Equipment Type	Number
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Alessandro & Old 215 Frontage Industrial Park (Trucks LST) - Riverside-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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					
Fire Pump - Diesel (175 - 300 HP)	2.3431	6.5498	5.9753	0.0113		0.3447	0.3447		0.3447	0.3447		1,198.826 2	1,198.826 2	0.1681		1,203.028 1
Total	2.3431	6.5498	5.9753	0.0113		0.3447	0.3447		0.3447	0.3447		1,198.826 2	1,198.826 2	0.1681		1,203.028 1

11.0 Vegetation

Alessandro & Old 215 Frontage Industrial Park (Trucks LST) - Riverside-South Coast County, Winter

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

**Alessandro & Old 215 Frontage Industrial Park (Trucks LST)
Riverside-South Coast County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	26.37	1000sqft	0.61	26,368.00	0
General Light Industry	29.75	1000sqft	0.68	29,750.00	0
General Light Industry	23.57	1000sqft	0.54	23,567.00	0
General Light Industry	23.29	1000sqft	0.53	23,289.00	0
Unrefrigerated Warehouse-No Rail	50.00	1000sqft	1.15	49,999.00	0
Unrefrigerated Warehouse-No Rail	44.04	1000sqft	1.01	44,037.00	0
Other Asphalt Surfaces	5.78	Acre	5.78	251,776.80	0
City Park	1.16	Acre	1.16	50,529.60	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2023
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 - Truck LST Operation only

Vehicle Trips - Trip Rates from Project Trip Gen (Translutions 2021)

Fleet Mix - Truck Splits from Project Trip Gen (Translutions 2021)

Alessandro & Old 215 Frontage Industrial Park (Trucks LST) - Riverside-South Coast County, Winter

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

Operational Off-Road Equipment - 1 forklift per building

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	0.00
tblFleetMix	HHD	0.02	0.44
tblFleetMix	HHD	0.02	0.63
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.03	0.19
tblFleetMix	LHD1	0.03	0.08
tblFleetMix	LHD2	7.3100e-003	0.19
tblFleetMix	LHD2	7.3100e-003	0.08
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	5.4680e-003	0.00
tblFleetMix	MH	5.4680e-003	0.00
tblFleetMix	MHD	0.01	0.18
tblFleetMix	MHD	0.01	0.21
tblFleetMix	OBUS	6.1600e-004	0.00
tblFleetMix	OBUS	6.1600e-004	0.00
tblFleetMix	SBUS	1.1000e-003	0.00
tblFleetMix	SBUS	1.1000e-003	0.00

Alessandro & Old 215 Frontage Industrial Park (Trucks LST) - Riverside-South Coast County, Winter

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

tblFleetMix	UBUS	3.1500e-004	0.00
tblFleetMix	UBUS	3.1500e-004	0.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	6.00
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	238.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	1.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	6.00
tblVehicleTrips	CC_TL	8.40	0.20
tblVehicleTrips	CC_TL	8.40	0.20
tblVehicleTrips	CNW_TL	6.90	0.20
tblVehicleTrips	CNW_TL	6.90	0.20
tblVehicleTrips	CW_TL	16.60	0.20
tblVehicleTrips	CW_TL	16.60	0.20
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	1.99	0.43
tblVehicleTrips	ST_TR	1.74	0.54
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	5.00	1.07
tblVehicleTrips	SU_TR	1.74	0.54
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	4.96	1.06
tblVehicleTrips	WD_TR	1.74	0.54

2.0 Emissions Summary

Alessandro & Old 215 Frontage Industrial Park (Trucks LST) - Riverside-South Coast County, Winter

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.5140	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476
Energy	0.1040	0.9450	0.7938	5.6700e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151
Mobile	0.1324	2.0055	1.7302	3.0500e-003	0.0272	2.0300e-003	0.0292	7.6700e-003	1.9400e-003	9.6100e-003		323.5787	323.5787	7.6300e-003	0.0517	339.1883
Offroad	0.0873	4.2560	55.6126	9.1700e-003		0.0686	0.0686		0.0686	0.0686	0.0000	1,160.1951	1,160.1951	0.3752		1,169.5758
Stationary	2.3431	6.5498	5.9753	0.0113		0.3447	0.3447		0.3447	0.3447		1,198.8262	1,198.8262	0.1681		1,203.0281
Total	7.1808	13.7565	64.1327	0.0292	0.0272	0.4873	0.5145	7.6700e-003	0.4872	0.4949	0.0000	3,816.6210	3,816.6210	0.5728	0.0725	3,852.5548

Alessandro & Old 215 Frontage Industrial Park (Trucks LST) - Riverside-South Coast County, Winter

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.5140	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476
Energy	0.1040	0.9450	0.7938	5.6700e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151
Mobile	0.1324	2.0055	1.7302	3.0500e-003	0.0272	2.0300e-003	0.0292	7.6700e-003	1.9400e-003	9.6100e-003		323.5787	323.5787	7.6300e-003	0.0517	339.1883
Offroad	0.0873	4.2560	55.6126	9.1700e-003		0.0686	0.0686		0.0686	0.0686	0.0000	1,160.1951	1,160.1951	0.3752		1,169.5758
Stationary	2.3431	6.5498	5.9753	0.0113		0.3447	0.3447		0.3447	0.3447		1,198.8262	1,198.8262	0.1681		1,203.0281
Total	7.1808	13.7565	64.1327	0.0292	0.0272	0.4873	0.5145	7.6700e-003	0.4872	0.4949	0.0000	3,816.6210	3,816.6210	0.5728	0.0725	3,852.5548

	ROG	NOx	CO	SO2	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	Truck Operation Only	Site Preparation	7/26/2021	7/25/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Alessandro & Old 215 Frontage Industrial Park (Trucks LST) - Riverside-South Coast County, Winter

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

3.2 Truck Operation Only - 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

Alessandro & Old 215 Frontage Industrial Park (Trucks LST) - Riverside-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1324	2.0055	1.7302	3.0500e-003	0.0272	2.0300e-003	0.0292	7.6700e-003	1.9400e-003	9.6100e-003		323.5787	323.5787	7.6300e-003	0.0517	339.1883
Unmitigated	0.1324	2.0055	1.7302	3.0500e-003	0.0272	2.0300e-003	0.0292	7.6700e-003	1.9400e-003	9.6100e-003		323.5787	323.5787	7.6300e-003	0.0517	339.1883

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Light Industry	27.95	11.34	28.21	1,767	1,767
General Light Industry	31.54	12.79	31.83	1,993	1,993
General Light Industry	24.98	10.13	25.22	1,579	1,579
General Light Industry	24.69	10.01	24.92	1,561	1,561
Other Asphalt Surfaces	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	27.00	27.00	27.00	1,862	1,862
Unrefrigerated Warehouse-No Rail	23.78	23.78	23.78	1,640	1,640
Total	159.93	95.06	160.96	10,403	10,403

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
General Light Industry	0.20	0.20	0.20	59.00	28.00	13.00	92	5	3
General Light Industry	0.20	0.20	0.20	59.00	28.00	13.00	92	5	3
General Light Industry	0.20	0.20	0.20	59.00	28.00	13.00	92	5	3

Alessandro & Old 215 Frontage Industrial Park (Trucks LST) - Riverside-South Coast County, Winter

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

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
General Light Industry	0.20	0.20	0.20	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
Unrefrigerated Warehouse-No	0.20	0.20	0.20	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	0.20	0.20	0.20	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
General Light Industry	0.000000	0.000000	0.000000	0.000000	0.186916	0.186916	0.182243	0.443925	0.000000	0.000000	0.000000	0.000000	0.000000
Other Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Unrefrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.083631	0.083631	0.207210	0.625528	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Alessandro & Old 215 Frontage Industrial Park (Trucks LST) - Riverside-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1040	0.9450	0.7938	5.6700e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151
NaturalGas Unmitigated	0.1040	0.9450	0.7938	5.6700e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151

Alessandro & Old 215 Frontage Industrial Park (Trucks LST) - Riverside-South Coast County, Winter

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	2062.83	0.0223	0.2022	0.1699	1.2100e-003		0.0154	0.0154		0.0154	0.0154		242.6860	242.6860	4.6500e-003	4.4500e-003	244.1282
General Light Industry	2087.46	0.0225	0.2047	0.1719	1.2300e-003		0.0156	0.0156		0.0156	0.0156		245.5830	245.5830	4.7100e-003	4.5000e-003	247.0423
General Light Industry	2335.55	0.0252	0.2290	0.1923	1.3700e-003		0.0174	0.0174		0.0174	0.0174		274.7711	274.7711	5.2700e-003	5.0400e-003	276.4040
General Light Industry	2635.12	0.0284	0.2583	0.2170	1.5500e-003		0.0196	0.0196		0.0196	0.0196		310.0137	310.0137	5.9400e-003	5.6800e-003	311.8560
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	242.505	2.6200e-003	0.0238	0.0200	1.4000e-004		1.8100e-003	1.8100e-003		1.8100e-003	1.8100e-003		28.5300	28.5300	5.5000e-004	5.2000e-004	28.6996
Unrefrigerated Warehouse-No Rail	275.337	2.9700e-003	0.0270	0.0227	1.6000e-004		2.0500e-003	2.0500e-003		2.0500e-003	2.0500e-003		32.3926	32.3926	6.2000e-004	5.9000e-004	32.5851
Total		0.1040	0.9450	0.7938	5.6600e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151

Alessandro & Old 215 Frontage Industrial Park (Trucks LST) - Riverside-South Coast County, Winter

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	2.06283	0.0223	0.2022	0.1699	1.2100e-003		0.0154	0.0154		0.0154	0.0154		242.6860	242.6860	4.6500e-003	4.4500e-003	244.1282
General Light Industry	2.08746	0.0225	0.2047	0.1719	1.2300e-003		0.0156	0.0156		0.0156	0.0156		245.5830	245.5830	4.7100e-003	4.5000e-003	247.0423
General Light Industry	2.33555	0.0252	0.2290	0.1923	1.3700e-003		0.0174	0.0174		0.0174	0.0174		274.7711	274.7711	5.2700e-003	5.0400e-003	276.4040
General Light Industry	2.63512	0.0284	0.2583	0.2170	1.5500e-003		0.0196	0.0196		0.0196	0.0196		310.0137	310.0137	5.9400e-003	5.6800e-003	311.8560
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0.242505	2.6200e-003	0.0238	0.0200	1.4000e-004		1.8100e-003	1.8100e-003		1.8100e-003	1.8100e-003		28.5300	28.5300	5.5000e-004	5.2000e-004	28.6996
Unrefrigerated Warehouse-No Rail	0.275337	2.9700e-003	0.0270	0.0227	1.6000e-004		2.0500e-003	2.0500e-003		2.0500e-003	2.0500e-003		32.3926	32.3926	6.2000e-004	5.9000e-004	32.5851
Total		0.1040	0.9450	0.7938	5.6600e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151

6.0 Area Detail

6.1 Mitigation Measures Area

Alessandro & Old 215 Frontage Industrial Park (Trucks LST) - Riverside-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.5140	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476
Unmitigated	4.5140	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476

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	0.5195					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9926					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9300e-003	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476
Total	4.5141	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476

Alessandro & Old 215 Frontage Industrial Park (Trucks LST) - Riverside-South Coast County, Winter

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5195					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9926					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9300e-003	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476
Total	4.5141	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476

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	6	8.00	260	89	0.20	CNG

Alessandro & Old 215 Frontage Industrial Park (Trucks LST) - Riverside-South Coast County, Winter

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

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Forklifts	0.0873	4.2560	55.6126	9.1700e-003		0.0686	0.0686		0.0686	0.0686	0.0000	1,160.1951	1,160.1951	0.3752		1,169.5758
Total	0.0873	4.2560	55.6126	9.1700e-003		0.0686	0.0686		0.0686	0.0686	0.0000	1,160.1951	1,160.1951	0.3752		1,169.5758

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Fire Pump	6	1	50	238	0.73	Diesel

Boilers

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

Equipment Type	Number
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Alessandro & Old 215 Frontage Industrial Park (Trucks LST) - Riverside-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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					
Fire Pump - Diesel (175 - 300 HP)	2.3431	6.5498	5.9753	0.0113		0.3447	0.3447		0.3447	0.3447		1,198.826 2	1,198.826 2	0.1681		1,203.028 1
Total	2.3431	6.5498	5.9753	0.0113		0.3447	0.3447		0.3447	0.3447		1,198.826 2	1,198.826 2	0.1681		1,203.028 1

11.0 Vegetation

CalEEMod Operation LST (No Trucks)

Alessandro & Old 215 Frontage Industrial Park (Auto LST) - Riverside-South Coast County, Summer

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

Alessandro & Old 215 Frontage Industrial Park (Auto LST)

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	26.37	1000sqft	0.61	26,368.00	0
General Light Industry	29.75	1000sqft	0.68	29,750.00	0
General Light Industry	23.57	1000sqft	0.54	23,567.00	0
General Light Industry	23.29	1000sqft	0.53	23,289.00	0
Unrefrigerated Warehouse-No Rail	50.00	1000sqft	1.15	49,999.00	0
Unrefrigerated Warehouse-No Rail	44.04	1000sqft	1.01	44,037.00	0
Other Asphalt Surfaces	5.78	Acre	5.78	251,776.80	0
City Park	1.16	Acre	1.16	50,529.60	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	390.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Auto LST only.

Off-road Equipment - Auto LST Only

Vehicle Trips - Auto LST Trips only (Translutions 2021)

Alessandro & Old 215 Frontage Industrial Park (Auto LST) - Riverside-South Coast County, Summer

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

Fleet Mix - Auto Trips only (Translutions 2021)

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.53	0.50
tblFleetMix	LDA	0.53	0.50
tblFleetMix	LDT1	0.06	0.25
tblFleetMix	LDT1	0.06	0.25
tblFleetMix	LDT2	0.17	0.25
tblFleetMix	LDT2	0.17	0.25
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.3100e-003	0.00
tblFleetMix	LHD2	7.3100e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	5.4680e-003	0.00
tblFleetMix	MH	5.4680e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	6.1600e-004	0.00
tblFleetMix	OBUS	6.1600e-004	0.00
tblFleetMix	SBUS	1.1000e-003	0.00
tblFleetMix	SBUS	1.1000e-003	0.00
tblFleetMix	UBUS	3.1500e-004	0.00

Alessandro & Old 215 Frontage Industrial Park (Auto LST) - Riverside-South Coast County, Summer

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

tblFleetMix	UBUS	3.1500e-004	0.00
tblLandUse	LandUseSquareFeet	23,290.00	23,289.00
tblLandUse	LandUseSquareFeet	23,570.00	23,567.00
tblLandUse	LandUseSquareFeet	26,370.00	26,368.00
tblLandUse	LandUseSquareFeet	44,040.00	44,037.00
tblLandUse	LandUseSquareFeet	50,000.00	49,999.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblSolidWaste	SolidWasteGenerationRate	127.70	127.68
tblVehicleTrips	CC_TL	8.40	0.20
tblVehicleTrips	CC_TL	8.40	0.20
tblVehicleTrips	CNW_TL	6.90	0.20
tblVehicleTrips	CNW_TL	6.90	0.20
tblVehicleTrips	CW_TL	16.60	0.20
tblVehicleTrips	CW_TL	16.60	0.20
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	1.99	1.56
tblVehicleTrips	ST_TR	1.74	1.20
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	5.00	3.93
tblVehicleTrips	SU_TR	1.74	1.20
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	4.96	3.90
tblVehicleTrips	WD_TR	1.74	1.21
tblWater	IndoorWaterUseRate	23,814,125.00	23,811,812.50

2.0 Emissions Summary

Alessandro & Old 215 Frontage Industrial Park (Auto LST) - Riverside-South Coast County, Summer

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.5140	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476
Energy	0.1040	0.9450	0.7938	5.6700e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151
Mobile	0.8870	0.2443	2.4430	1.3000e-003	0.0747	2.5600e-003	0.0772	0.0198	2.3600e-003	0.0222		132.5546	132.5546	0.0566	0.0311	143.2218
Total	5.5050	1.1895	3.2576	6.9700e-003	0.0747	0.0745	0.1491	0.0198	0.0743	0.0940		1,266.5757	1,266.5757	0.0784	0.0518	1,283.9845

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.5140	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476
Energy	0.1040	0.9450	0.7938	5.6700e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151
Mobile	0.8870	0.2443	2.4430	1.3000e-003	0.0747	2.5600e-003	0.0772	0.0198	2.3600e-003	0.0222		132.5546	132.5546	0.0566	0.0311	143.2218
Total	5.5050	1.1895	3.2576	6.9700e-003	0.0747	0.0745	0.1491	0.0198	0.0743	0.0940		1,266.5757	1,266.5757	0.0784	0.0518	1,283.9845

Alessandro & Old 215 Frontage Industrial Park (Auto LST) - Riverside-South Coast County, Summer

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Auto Operation Only	Site Preparation	7/26/2021	8/6/2021	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 5.78

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
Auto Operation Only	Rubber Tired Dozers	0	8.00	247	0.40
Auto Operation Only	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
Auto Operation Only	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Alessandro & Old 215 Frontage Industrial Park (Auto LST) - Riverside-South Coast County, Summer

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

3.2 Auto Operation Only - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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

Unmitigated Construction Off-Site

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

Alessandro & Old 215 Frontage Industrial Park (Auto LST) - Riverside-South Coast County, Summer

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

3.2 Auto Operation Only - 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	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
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

Mitigated Construction Off-Site

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

Alessandro & Old 215 Frontage Industrial Park (Auto LST) - Riverside-South Coast County, Summer

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.8870	0.2443	2.4430	1.3000e-003	0.0747	2.5600e-003	0.0772	0.0198	2.3600e-003	0.0222		132.5546	132.5546	0.0566	0.0311	143.2218
Unmitigated	0.8870	0.2443	2.4430	1.3000e-003	0.0747	2.5600e-003	0.0772	0.0198	2.3600e-003	0.0222		132.5546	132.5546	0.0566	0.0311	143.2218

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Light Industry	102.84	41.14	103.63	6,494	6,494
General Light Industry	116.03	46.41	116.92	7,326	7,326
General Light Industry	91.92	36.77	92.63	5,804	5,804
General Light Industry	90.83	36.33	91.53	5,735	5,735
Other Asphalt Surfaces	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	60.50	60.00	60.00	4,163	4,163
Unrefrigerated Warehouse-No Rail	53.29	52.85	52.85	3,667	3,667
Total	515.41	273.50	517.56	33,189	33,189

4.3 Trip Type Information

Alessandro & Old 215 Frontage Industrial Park (Auto LST) - Riverside-South Coast County, Summer

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

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
General Light Industry	0.20	0.20	0.20	59.00	28.00	13.00	92	5	3
General Light Industry	0.20	0.20	0.20	59.00	28.00	13.00	92	5	3
General Light Industry	0.20	0.20	0.20	59.00	28.00	13.00	92	5	3
General Light Industry	0.20	0.20	0.20	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
Unrefrigerated Warehouse-No	0.20	0.20	0.20	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	0.20	0.20	0.20	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
General Light Industry	0.500000	0.250000	0.250000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Unrefrigerated Warehouse-No Rail	0.500000	0.250000	0.250000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Alessandro & Old 215 Frontage Industrial Park (Auto LST) - Riverside-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1040	0.9450	0.7938	5.6700e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151
NaturalGas Unmitigated	0.1040	0.9450	0.7938	5.6700e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151

Alessandro & Old 215 Frontage Industrial Park (Auto LST) - Riverside-South Coast County, Summer

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	2062.83	0.0223	0.2022	0.1699	1.2100e-003		0.0154	0.0154		0.0154	0.0154		242.6860	242.6860	4.6500e-003	4.4500e-003	244.1282
General Light Industry	2087.46	0.0225	0.2047	0.1719	1.2300e-003		0.0156	0.0156		0.0156	0.0156		245.5830	245.5830	4.7100e-003	4.5000e-003	247.0423
General Light Industry	2335.55	0.0252	0.2290	0.1923	1.3700e-003		0.0174	0.0174		0.0174	0.0174		274.7711	274.7711	5.2700e-003	5.0400e-003	276.4040
General Light Industry	2635.12	0.0284	0.2583	0.2170	1.5500e-003		0.0196	0.0196		0.0196	0.0196		310.0137	310.0137	5.9400e-003	5.6800e-003	311.8560
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	242.505	2.6200e-003	0.0238	0.0200	1.4000e-004		1.8100e-003	1.8100e-003		1.8100e-003	1.8100e-003		28.5300	28.5300	5.5000e-004	5.2000e-004	28.6996
Unrefrigerated Warehouse-No Rail	275.337	2.9700e-003	0.0270	0.0227	1.6000e-004		2.0500e-003	2.0500e-003		2.0500e-003	2.0500e-003		32.3926	32.3926	6.2000e-004	5.9000e-004	32.5851
Total		0.1040	0.9450	0.7938	5.6600e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151

Alessandro & Old 215 Frontage Industrial Park (Auto LST) - Riverside-South Coast County, Summer

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	2.06283	0.0223	0.2022	0.1699	1.2100e-003		0.0154	0.0154		0.0154	0.0154		242.6860	242.6860	4.6500e-003	4.4500e-003	244.1282
General Light Industry	2.08746	0.0225	0.2047	0.1719	1.2300e-003		0.0156	0.0156		0.0156	0.0156		245.5830	245.5830	4.7100e-003	4.5000e-003	247.0423
General Light Industry	2.33555	0.0252	0.2290	0.1923	1.3700e-003		0.0174	0.0174		0.0174	0.0174		274.7711	274.7711	5.2700e-003	5.0400e-003	276.4040
General Light Industry	2.63512	0.0284	0.2583	0.2170	1.5500e-003		0.0196	0.0196		0.0196	0.0196		310.0137	310.0137	5.9400e-003	5.6800e-003	311.8560
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0.242505	2.6200e-003	0.0238	0.0200	1.4000e-004		1.8100e-003	1.8100e-003		1.8100e-003	1.8100e-003		28.5300	28.5300	5.5000e-004	5.2000e-004	28.6996
Unrefrigerated Warehouse-No Rail	0.275337	2.9700e-003	0.0270	0.0227	1.6000e-004		2.0500e-003	2.0500e-003		2.0500e-003	2.0500e-003		32.3926	32.3926	6.2000e-004	5.9000e-004	32.5851
Total		0.1040	0.9450	0.7938	5.6600e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151

6.0 Area Detail

6.1 Mitigation Measures Area

Alessandro & Old 215 Frontage Industrial Park (Auto LST) - Riverside-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.5140	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476
Unmitigated	4.5140	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476

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	0.5195					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9926					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9300e-003	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476
Total	4.5141	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476

Alessandro & Old 215 Frontage Industrial Park (Auto LST) - Riverside-South Coast County, Summer

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5195					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9926					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9300e-003	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476
Total	4.5141	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476

7.0 Water Detail

7.1 Mitigation Measures Water

Alessandro & Old 215 Frontage Industrial Park (Auto LST) - Riverside-South Coast County, Summer

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Alessandro & Old 215 Frontage Industrial Park (Auto LST) - Riverside-South Coast County, Winter

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

Alessandro & Old 215 Frontage Industrial Park (Auto LST)

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	26.37	1000sqft	0.61	26,368.00	0
General Light Industry	29.75	1000sqft	0.68	29,750.00	0
General Light Industry	23.57	1000sqft	0.54	23,567.00	0
General Light Industry	23.29	1000sqft	0.53	23,289.00	0
Unrefrigerated Warehouse-No Rail	50.00	1000sqft	1.15	49,999.00	0
Unrefrigerated Warehouse-No Rail	44.04	1000sqft	1.01	44,037.00	0
Other Asphalt Surfaces	5.78	Acre	5.78	251,776.80	0
City Park	1.16	Acre	1.16	50,529.60	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	390.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Auto LST only.

Off-road Equipment - Auto LST Only

Vehicle Trips - Auto LST Trips only (Translutions 2021)

Alessandro & Old 215 Frontage Industrial Park (Auto LST) - Riverside-South Coast County, Winter

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

Fleet Mix - Auto Trips only (Translutions 2021)

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.53	0.50
tblFleetMix	LDA	0.53	0.50
tblFleetMix	LDT1	0.06	0.25
tblFleetMix	LDT1	0.06	0.25
tblFleetMix	LDT2	0.17	0.25
tblFleetMix	LDT2	0.17	0.25
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.3100e-003	0.00
tblFleetMix	LHD2	7.3100e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	5.4680e-003	0.00
tblFleetMix	MH	5.4680e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	6.1600e-004	0.00
tblFleetMix	OBUS	6.1600e-004	0.00
tblFleetMix	SBUS	1.1000e-003	0.00
tblFleetMix	SBUS	1.1000e-003	0.00
tblFleetMix	UBUS	3.1500e-004	0.00

Alessandro & Old 215 Frontage Industrial Park (Auto LST) - Riverside-South Coast County, Winter

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

tblFleetMix	UBUS	3.1500e-004	0.00
tblLandUse	LandUseSquareFeet	23,290.00	23,289.00
tblLandUse	LandUseSquareFeet	23,570.00	23,567.00
tblLandUse	LandUseSquareFeet	26,370.00	26,368.00
tblLandUse	LandUseSquareFeet	44,040.00	44,037.00
tblLandUse	LandUseSquareFeet	50,000.00	49,999.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblSolidWaste	SolidWasteGenerationRate	127.70	127.68
tblVehicleTrips	CC_TL	8.40	0.20
tblVehicleTrips	CC_TL	8.40	0.20
tblVehicleTrips	CNW_TL	6.90	0.20
tblVehicleTrips	CNW_TL	6.90	0.20
tblVehicleTrips	CW_TL	16.60	0.20
tblVehicleTrips	CW_TL	16.60	0.20
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	1.99	1.56
tblVehicleTrips	ST_TR	1.74	1.20
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	5.00	3.93
tblVehicleTrips	SU_TR	1.74	1.20
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	4.96	3.90
tblVehicleTrips	WD_TR	1.74	1.21
tblWater	IndoorWaterUseRate	23,814,125.00	23,811,812.50

2.0 Emissions Summary

Alessandro & Old 215 Frontage Industrial Park (Auto LST) - Riverside-South Coast County, Winter

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.5140	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476
Energy	0.1040	0.9450	0.7938	5.6700e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151
Mobile	0.6975	0.2542	2.7402	1.2400e-003	0.0747	2.5600e-003	0.0772	0.0198	2.3600e-003	0.0222		126.9793	126.9793	0.0657	0.0320	138.1497
Total	5.3155	1.1994	3.5548	6.9100e-003	0.0747	0.0745	0.1491	0.0198	0.0743	0.0940		1,261.0003	1,261.0003	0.0875	0.0528	1,278.9124

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.5140	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476
Energy	0.1040	0.9450	0.7938	5.6700e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151
Mobile	0.6975	0.2542	2.7402	1.2400e-003	0.0747	2.5600e-003	0.0772	0.0198	2.3600e-003	0.0222		126.9793	126.9793	0.0657	0.0320	138.1497
Total	5.3155	1.1994	3.5548	6.9100e-003	0.0747	0.0745	0.1491	0.0198	0.0743	0.0940		1,261.0003	1,261.0003	0.0875	0.0528	1,278.9124

Alessandro & Old 215 Frontage Industrial Park (Auto LST) - Riverside-South Coast County, Winter

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Auto Operation Only	Site Preparation	7/26/2021	8/6/2021	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 5.78

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
Auto Operation Only	Rubber Tired Dozers	0	8.00	247	0.40
Auto Operation Only	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
Auto Operation Only	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Alessandro & Old 215 Frontage Industrial Park (Auto LST) - Riverside-South Coast County, Winter

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

3.2 Auto Operation Only - 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					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
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

Unmitigated Construction Off-Site

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

Alessandro & Old 215 Frontage Industrial Park (Auto LST) - Riverside-South Coast County, Winter

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

3.2 Auto Operation Only - 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	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
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

Mitigated Construction Off-Site

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

Alessandro & Old 215 Frontage Industrial Park (Auto LST) - Riverside-South Coast County, Winter

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6975	0.2542	2.7402	1.2400e-003	0.0747	2.5600e-003	0.0772	0.0198	2.3600e-003	0.0222		126.9793	126.9793	0.0657	0.0320	138.1497
Unmitigated	0.6975	0.2542	2.7402	1.2400e-003	0.0747	2.5600e-003	0.0772	0.0198	2.3600e-003	0.0222		126.9793	126.9793	0.0657	0.0320	138.1497

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Light Industry	102.84	41.14	103.63	6,494	6,494
General Light Industry	116.03	46.41	116.92	7,326	7,326
General Light Industry	91.92	36.77	92.63	5,804	5,804
General Light Industry	90.83	36.33	91.53	5,735	5,735
Other Asphalt Surfaces	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	60.50	60.00	60.00	4,163	4,163
Unrefrigerated Warehouse-No Rail	53.29	52.85	52.85	3,667	3,667
Total	515.41	273.50	517.56	33,189	33,189

4.3 Trip Type Information

Alessandro & Old 215 Frontage Industrial Park (Auto LST) - Riverside-South Coast County, Winter

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

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
General Light Industry	0.20	0.20	0.20	59.00	28.00	13.00	92	5	3
General Light Industry	0.20	0.20	0.20	59.00	28.00	13.00	92	5	3
General Light Industry	0.20	0.20	0.20	59.00	28.00	13.00	92	5	3
General Light Industry	0.20	0.20	0.20	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
Unrefrigerated Warehouse-No	0.20	0.20	0.20	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	0.20	0.20	0.20	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
General Light Industry	0.500000	0.250000	0.250000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Asphalt Surfaces	0.534849	0.056022	0.172639	0.141007	0.026597	0.007310	0.011327	0.018693	0.000616	0.000315	0.024057	0.001100	0.005468
Unrefrigerated Warehouse-No Rail	0.500000	0.250000	0.250000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Alessandro & Old 215 Frontage Industrial Park (Auto LST) - Riverside-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1040	0.9450	0.7938	5.6700e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151
NaturalGas Unmitigated	0.1040	0.9450	0.7938	5.6700e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151

Alessandro & Old 215 Frontage Industrial Park (Auto LST) - Riverside-South Coast County, Winter

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	2062.83	0.0223	0.2022	0.1699	1.2100e-003		0.0154	0.0154		0.0154	0.0154		242.6860	242.6860	4.6500e-003	4.4500e-003	244.1282
General Light Industry	2087.46	0.0225	0.2047	0.1719	1.2300e-003		0.0156	0.0156		0.0156	0.0156		245.5830	245.5830	4.7100e-003	4.5000e-003	247.0423
General Light Industry	2335.55	0.0252	0.2290	0.1923	1.3700e-003		0.0174	0.0174		0.0174	0.0174		274.7711	274.7711	5.2700e-003	5.0400e-003	276.4040
General Light Industry	2635.12	0.0284	0.2583	0.2170	1.5500e-003		0.0196	0.0196		0.0196	0.0196		310.0137	310.0137	5.9400e-003	5.6800e-003	311.8560
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	242.505	2.6200e-003	0.0238	0.0200	1.4000e-004		1.8100e-003	1.8100e-003		1.8100e-003	1.8100e-003		28.5300	28.5300	5.5000e-004	5.2000e-004	28.6996
Unrefrigerated Warehouse-No Rail	275.337	2.9700e-003	0.0270	0.0227	1.6000e-004		2.0500e-003	2.0500e-003		2.0500e-003	2.0500e-003		32.3926	32.3926	6.2000e-004	5.9000e-004	32.5851
Total		0.1040	0.9450	0.7938	5.6600e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151

Alessandro & Old 215 Frontage Industrial Park (Auto LST) - Riverside-South Coast County, Winter

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	2.06283	0.0223	0.2022	0.1699	1.2100e-003		0.0154	0.0154		0.0154	0.0154		242.6860	242.6860	4.6500e-003	4.4500e-003	244.1282
General Light Industry	2.08746	0.0225	0.2047	0.1719	1.2300e-003		0.0156	0.0156		0.0156	0.0156		245.5830	245.5830	4.7100e-003	4.5000e-003	247.0423
General Light Industry	2.33555	0.0252	0.2290	0.1923	1.3700e-003		0.0174	0.0174		0.0174	0.0174		274.7711	274.7711	5.2700e-003	5.0400e-003	276.4040
General Light Industry	2.63512	0.0284	0.2583	0.2170	1.5500e-003		0.0196	0.0196		0.0196	0.0196		310.0137	310.0137	5.9400e-003	5.6800e-003	311.8560
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0.242505	2.6200e-003	0.0238	0.0200	1.4000e-004		1.8100e-003	1.8100e-003		1.8100e-003	1.8100e-003		28.5300	28.5300	5.5000e-004	5.2000e-004	28.6996
Unrefrigerated Warehouse-No Rail	0.275337	2.9700e-003	0.0270	0.0227	1.6000e-004		2.0500e-003	2.0500e-003		2.0500e-003	2.0500e-003		32.3926	32.3926	6.2000e-004	5.9000e-004	32.5851
Total		0.1040	0.9450	0.7938	5.6600e-003		0.0718	0.0718		0.0718	0.0718		1,133.9764	1,133.9764	0.0217	0.0208	1,140.7151

6.0 Area Detail

6.1 Mitigation Measures Area

Alessandro & Old 215 Frontage Industrial Park (Auto LST) - Riverside-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.5140	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476
Unmitigated	4.5140	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476

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	0.5195					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9926					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9300e-003	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476
Total	4.5141	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476

Alessandro & Old 215 Frontage Industrial Park (Auto LST) - Riverside-South Coast County, Winter

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5195					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9926					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9300e-003	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476
Total	4.5141	1.9000e-004	0.0208	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0446	0.0446	1.2000e-004		0.0476

7.0 Water Detail

7.1 Mitigation Measures Water

Alessandro & Old 215 Frontage Industrial Park (Auto LST) - Riverside-South Coast County, Winter

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Fuel Calculations

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	OFF - ConstMin - Concrete/Industrial Saws	Aggregate	Aggregate	Diesel	1825	43515.3	0.041939
Riverside (SC)	2022	ConstMin - Excavators	Aggregate	Aggregate	Diesel	3182947.177	160301933.5	0.019856
Riverside (SC)	2022	ConstMin - Rubber Tired Dozers	Aggregate	Aggregate	Diesel	353190.7526	17144087.9	0.020601
Riverside (SC)	2022	ConstMin - Crawler Tractors	Aggregate	Aggregate	Diesel	1768141.724	79732765.11	0.022176
Riverside (SC)	2022	ConstMin - Graders	Aggregate	Aggregate	Diesel	1196401.41	56537153.42	0.021161
Riverside (SC)	2022	ConstMin - Scrapers	Aggregate	Aggregate	Diesel	3165608.764	126682492.6	0.024989
Riverside (SC)	2022	ConstMin - Cranes	Aggregate	Aggregate	Diesel	715948.1693	48065398.1	0.014895
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	ConstMin - Tractors/Loaders/Backhoes	Aggregate	Aggregate	Diesel	4427933.693	231261946.7	0.019147
Riverside (SC)	2022	OFF - Light Commercial - Welders	Aggregate	Aggregate	Diesel	152610.15	5910959.65	0.025818
Riverside (SC)	2022	ConstMin - Pavers	Aggregate	Aggregate	Diesel	212316.5969	9860385.59	0.021532
Riverside (SC)	2022	ConstMin - Paving Equipment	Aggregate	Aggregate	Diesel	123567.6955	6692167.895	0.018465
Riverside (SC)	2022	ConstMin - Rollers	Aggregate	Aggregate	Diesel	550676.7499	27761376.32	0.019836
Riverside (SC)	2022	OFF - Light Commercial - Air Compressors	Aggregate	Aggregate	Diesel	29466.45	1068424.35	0.027579

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	Fuel Rate
Riverside (SC)	2022	HHDT	Aggregate	Aggregate	Diesel	606232799.9	84894.0389	7.14
Riverside (SC)	2022	MHDT	Aggregate	Aggregate	Diesel	230961081.1	20690.05836	11.16

Source: EMFAC2021 (v1.0.0) Emissions Inventory

Region Type: Sub-Area

Region: Los Angeles (SC)

Calendar Year: 2021

Season: Winter

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	VMT	Fuel Consumption
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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
						50/25/25 Split	29.36

Source: EMFAC2017 (v1.0.3) Emissions Inventory

Region Type: Sub-Area

Region: Riverside (SC)

Calendar Year: 2023

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	Fuel Rate
Riverside (SC)	2023	LHDT1	Aggregate	Aggregate	Diesel	171102466.7	8067.31965	21.21
Riverside (SC)	2023	LHDT2	Aggregate	Aggregate	Diesel	66580329.56	3433.535795	19.39
Riverside (SC)	2022	MHDT	Aggregate	Aggregate	Diesel	230961081.1	20690.05836	11.16
Riverside (SC)	2022	HHDT	Aggregate	Aggregate	Diesel	606232799.9	84894.0389	7.14
						Truck Splits		12.79
Riverside (SC)	2023	LDA	Aggregate	Aggregate	Gasoline	8365084572	253390.156	33.01
Riverside (SC)	2023	LDT1	Aggregate	Aggregate	Gasoline	799977533.2	28439.50607	28.13
Riverside (SC)	2023	LDT2	Aggregate	Aggregate	Gasoline	2523160631	94460.38646	26.71
						50/25/25 Split		30.22

Model Output: OFFROAD2017 (v1.0.1) Emissions Inventory

Region Type: Sub-Area

Region: Riverside (SC)

Calendar Year: 2023

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)	2023	OFF - Industrial - Forklifts	Aggregate	Aggregate	Nat Gas	2780785.35	82377200.4	0.033757
Riverside (SC)	2023	OFF - Light Commercial - Pumps	Aggregate	Aggregate	Diesel	76587.95	1809166.3	0.042333