

ENVIRONMENT | PLANNING | DEVELOPMENT SOLUTIONS, INC.

To: Manny Baeza, County of Riverside
From: Vince Mirabella, EPD Solutions
Date: July 9, 2021, Revised September 15, 2021
Re: Summary of CalEEMod Model Runs and Output for the Seaton Avenue/Perry Street Industrial Project, Riverside County, CA

SECTION 1: PROJECT INFORMATION

1.1 - Project Name

Seaton Avenue/Perry Street Industrial Project (Project)

1.2 - Project Location

The Project is located within the western portion of the Riverside County (County) near the City of Perris, on one parcel north of Perry Street and between Seaton Avenue and Beck Street. Regional access to the Project site is provided by Interstate 215 (I-215) and the Interstate 215 Cajalco Expressway exit or Harley Knox Boulevard Exit. Local access to the site is provided from Harvill Avenue, a major roadway, and Seaton Avenue, a secondary roadway.

The Project site has a General Plan Land Use designation of Light Industrial (LI) and zoning designations of Industrial Park (I-P) and Manufacturing, Service Commercial (M-SC). The western portion of the site is zoned I-P and the eastern portion of the site is zoned M-SC. The General Plan states that the LI land use designation is intended for industrial and related uses, including warehousing/distribution, assembly and light manufacturing, repair facilities, and supporting retail uses at an allowable Floor Area Ratio (FAR) of 0.25-0.60. The Project site is located within a predominately developed area. Single-family residences are located to the north, Beck Street followed by single-family residences to the west, warehouses followed by Perry Street to the south, and Seaton Avenue followed by vacant land to the east.

1.3 - Project Description

The applicant for the Project requests approval from the County to construct two warehouse buildings totaling 98,940 square feet (SF), a parking lot, ornamental landscaping, and associated infrastructure. The proposed buildings would result in a floor-to-area ratio (FAR) of 0.24, which is below the allowable maximum FAR of 0.60 for the Light Industrial land use designation.

The proposed light industrial warehouse buildings would be single-story and approximately 41 feet tall and include a mezzanine, loading docks, and associated vehicle and truck trailer parking spaces. Each

building would be 49,470 SF and provide 46,970 SF of warehouse space and 2,500 SF of first-floor office space. Approximately 20 percent of the buildings would be utilized for cold storage and refrigeration uses.

Truck loading docks and trailer parking would be located along the eastern side of Building 1 and Building 2. Each building would include 16 loading dock doors. Building 1 would include 55 trailer parking stalls and Building 2 would include 76 trailer parking stalls. Access to trailer stalls and loading dock areas would be controlled through the use of swingling and sliding gates. Building 1 would provide 35 car parking stalls with 2 ADA stalls and Building 2 would provide 35 car parking stalls with 2 ADA stalls. The Project would also include a bike rack.

The Project would include a 30-foot dedication along Beck Street and 50-foot dedication along Seaton Avenue. A 24-foot fire lane would be included. Access to the proposed Project would be provided via two driveways from Seaton Avenue. The northern driveway along Seaton Avenue is proposed to be restricted to passenger and emergency vehicles only.

1.4 - Purpose of the Report

This report has been prepared to summarize the estimates of the Project construction and operational criteria pollutant and greenhouse gas (GHG) emissions, and fuel and energy usage using the CalEEMod land-use emission model. The estimated emissions and fuel and energy usage were compared to quantifiable significance thresholds recommended by the responsible regulatory agencies.

1.5 - Conclusions

- The Project's construction would not exceed any Project-level criteria pollutant regional or localized emission significance threshold adopted by the SCAQMD. No Project-specific mitigation is required. (See Table 9 and Table 10).
- The Project's operation would not exceed any Project-level criteria pollutant regional or localized emission significance threshold adopted by the SCAQMD. No Project-specific mitigation is required. (See Table 14 and Table 15).
- The Project's construction and operation would not result in a cumulatively significant impact on the region's air quality. No Project-specific mitigation is required.
- The Project's construction and operation would not exceed the greenhouse gas significance threshold adopted for this Project. However, the Project will implement modest efficiency measures, including meeting Title 24 requirements and water conservation measures per the California Green Building Standards Code. (See Table 17). The Project would also be consistent with applicable policies and plans to reduce GHG emissions. (See Table 18)
- The Project's construction and operation would not result in the wasteful, inefficient, and unnecessary consumption of energy, especially fossil fuels such as coal, natural gas, and petroleum, associated with Project design, Project location, the use of electricity and natural gas, and the use of fuel by vehicles anticipated to travel to and from the Project. No Project-specific mitigation is required.

SECTION 2: CALEEMOD EMISSION ESTIMATES – CRITERIA POLLUTANTS

This section quantifies the Project construction and operational criteria pollutant emissions¹ and compares the construction and operational emissions to significance thresholds recommended by the SCAQMD.

2.1 - CalEEMod Model

The Project's construction and operational emissions were estimated using the California Emissions Estimator Model (CalEEMod Version 2020.4.0). The CalEEMod model is a statewide land-use emissions model designed to provide a uniform platform for government agencies, land-use planners, and environmental professionals to quantify potential criteria pollutant and greenhouse gas (GHG) emissions associated with both construction and operations from a variety of land use projects. The model quantifies direct emissions from construction and operation activities (including vehicle use), as well as indirect emissions, such as GHG emissions from energy use, solid waste disposal, vegetation planting and/or removal, and water use. Further, the model identifies mitigation measures to reduce criteria pollutant and GHG emissions and calculates the benefits achieved from measures chosen by the user.

The CalEEMod model develops emission estimates based on the land use type and development intensity. Table 1 provides a summary of the Project land uses and their equivalent within the CalEEMod model.

Table 1: Project and CalEEMod Land Uses

Project Land Use	Project Intensity	CalEEMod Land Use	Comment
Warehouse	79,150 sf	Unrefrigerated Warehouse- No Rail	
Warehouse	19,790 sf	Refrigerated Warehouse- No Rail	20 % of total building area
Internal Roadways	3.31 acres	Other Asphalt Surfaces	
Landscaping	1.58 acres	City Park	Trip rate = 0 The CalEEMod land use is to account for outside water use
Parking	2.26 acres	Parking Lot	
sf = square feet Source: see Data Attachment			

¹Criteria 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.

2.2 - Significance Thresholds-Criteria Pollutants

The SCAQMD recommends several criteria pollutant significance thresholds that Lead Agencies can apply in CEQA reviews to the construction and operation of projects located within the jurisdiction of the SCAQMD. These thresholds are discussed below.

2.2.1 Regional Emission Significance Thresholds

The incremental regional air quality impacts of an individual project are generally very small and difficult to measure. However, the SCAQMD's regional significance thresholds define levels of maximum daily emissions whose exceedance by a project's construction or operation may add to the overall cumulative emission burden within the SCAQMD and impact the attainment and maintenance of ambient air quality standards.

The regional thresholds apply to the criteria pollutant emissions of carbon monoxide (CO), oxides of nitrogen (NO_x), oxides of sulfur (SO_x), particulate matter (PM₁₀ and PM_{2.5}), and reactive organic gases (ROG) generated by a project during construction and operation. The quantification of regional emissions includes those Project emissions generated from onsite emission sources (i.e., off-road construction equipment, fugitive dust, area sources, and energy sources) and offsite emission sources (vehicle travel away from the Project). Table 2 shows the SCAQMD's regional significance thresholds. Daily maximum emission totals that exceed the levels shown in Table 2 would be considered to result in a significant air quality impact requiring mitigation to reduce the significant emissions.

Table 2: SCAQMD Regional Emission Significance Thresholds

Air Pollutant	Maximum Daily Emissions (pounds/day)	
	Construction	Operation
Carbon Monoxide	550	550
Oxides of Nitrogen	100	55
Sulfur Oxides	150	150
PM ₁₀	150	150
PM _{2.5}	55	55
Reactive Organic Gases	75	55
Source: SCAQMD ²		

2.2.2 Localized Significance Thresholds

Project-related construction or operational air emissions may have the potential to exceed the State and national air quality standards in the Project vicinity, even though these pollutant emissions may not be significant enough to create a regional impact on the SCAQMD. As a result, the SCAQMD also recommends using localized significance thresholds (LSTs) to assess the significance of a project's localized impacts. The LSTs represent the maximum rates of daily construction or operational emissions from a project site that

² SCAQMD April 2019. Website: <http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf>

would not result in air pollutant levels that would exceed national or State ambient air quality standards (SCAQMD 2003³,2008⁴) in the immediate vicinity of a project.

The LST analysis only considers the emissions generated from onsite emission sources and only applies to CO, NO_x, and particulate matter (PM₁₀ and PM_{2.5}). The LSTs depend on project location, project size, and emission location relative to the nearest sensitive receptor⁵.

For localized assessment purposes, the SCAQMD provides screening lookup tables for projects that disturb less than or equal to 5 acres in size in a day. The SCAQMD developed the lookup tables to determine if the daily emissions of CO, NO_x, PM₁₀, and PM_{2.5} from a project could significantly impact the local air quality. The appropriate LSTs can be determined based on the project's source receptor area (SRA)⁶, size, and distance to the nearest sensitive receptor. The SCAQMD has divided the SCAQMD into 38 SRAs, each with a set of LSTs that depend on the air pollutant, project size, and distance to the nearest sensitive receptor. The Project site is located within SRA 24, Perris Valley.

LSTs for Construction

The SCAQMD has published a "Fact Sheet for Applying CalEEMod to Localized Significance Thresholds" (SCAQMD 2011)⁷ for use in applying the LST emission lookup tables to the emission estimates from the CalEEMod model. The California Emissions Estimator Model (CalEEMod Version 2020.4.0) model calculates construction emissions based on the number and types of construction equipment, equipment hours, emissions rates, and the maximum daily soil disturbance activity possible for each piece of equipment for several land-use projects and development intensity. During construction, the maximum disturbed area serves to determine the LST's project size value for construction. Table 3 shows the maximum daily disturbed soil acreage during the site preparation and grading construction activities based on the types and numbers of construction equipment identified by the CalEEMod model. As shown in Table 3, the maximum daily area disturbed during construction is 3.5 acres that occurs during the site preparation activity. Therefore, the maximum daily disturbed area during construction was set as 3.5 acres for the localized assessment of construction impacts.

Table 3: Project Construction Equipment Disturbed Area Rates

Activity	Equipment Type	Equipment Quantity	Acres Graded per 8-hour Day	Operating Hours per Day	Acres Graded per Day
Site Preparation	Rubber Tired Dozers	3	8	0.5	1.5
	Crawler Tractors	4	8	0.5	2.0
Total					3.5 acres

³ SCAQMD 2003. Final Localized Significance Threshold Methodology. Website: <http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/final-lst-methodology-document.pdf?sfvrsn=2>

⁴ SCAQMD 2008: Final Localized Significance Threshold Methodology. Website: <http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/final-lst-methodology-document.pdf>

⁵ A sensitive receptor is defined as an individual who is most health wise susceptible to exposures to air pollutants including children the elderly, and adults with chronic health issues. Such receptors include residences, schools, elderly care centers, and hospitals.

⁶ A source-receptor area (SRA) is a geographic area within the SCAQMD that can act as both a source of emissions and a receptor of emission impacts

⁷ SCAQMD 2011: Fact Sheet for Applying CalEEMod to Localized Significance Thresholds. Website: <http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/caleemod-guidance.pdf>

Activity	Equipment Type	Equipment Quantity	Acres Graded per 8-hour Day	Operating Hours per Day	Acres Graded per Day
Grading	Excavators	1	0	8	0
	Graders	1	0.5	8	0.5
	Rubber Tired Dozers	1	0.5	8	0.5
	Crawler Tractor	3	0.5	8	1.5
	Total .....					2.5 acres
Source: see Data Attachment.					

The specification of LSTs is also dependent on the distance to the nearest sensitive receptor. The nearest sensitive receptor location depends in turn not only on the distance to the project but also on the duration for which a receptor may be exposed to air pollution. The SCAQMD considers a sensitive receptor to be a location such as a residence, hospital, convalescent facility where it is possible that an individual could remain for 24 hours or longer. Commercial and industrial facilities are not included in the definition of a sensitive receptor because employees do not typically remain onsite for a full 24 hours but are present for shorter periods, such as eight hours.

The Project is located within a predominantly developed area. Several scattered single-family residences are located to the north of the Project; Beck Street followed by single-family residences to the west of the Project, a warehouse followed by Perry Street to the south of the Project; and Seaton Avenue followed by vacant land to the east of the Project. The closest sensitive receptor where such a receptor could reside for 24 hours or longer is located at an existing residence approximately 10 meters (33 feet) to the north of the Project's northern boundary. The shortest distance within the SCAQMD LST emission lookup tables is 25 meters (82 feet), so following the guidance from the SCAQMD⁸, the distance to the nearest sensitive receptor was set at 25 meters (82 feet). Table 4 provides the applicable construction LSTs for this Project.

Table 4: Construction Localized Significance Thresholds

NOx (lbs/day)	CO (lbs/day)	PM10 (lbs/day)	PM2.5 (lbs/day)
220	1,230	10	6
LSTs for SRA 24; Project area of 3.5 acres and a receptor distance of 25 meters. The LSTs were interpolated from the 2- and 5-acre LSTs provided in the LST lookup tables.			

LST for Operation

As noted earlier, the SCAQMD has defined LSTs for Project disturbed areas up to 5 acres in size. The Project is 9.42 acres. For projects that exceed 5 acres, the 5-acre LST lookup tables can be used as a screening tool to determine which pollutants require additional detailed air dispersion model analysis. This approach is conservative as it assumes that all onsite emissions associated with the Project would occur within a concentrated 5-acre area. Therefore, this screening method would over-predict potential localized

⁸ SCAQMD 2003. Final Localized Significance Threshold Methodology, Page 3-3.

impacts because the value of the LSTs increases with the disturbed area's size. As a result, if the LSTs were available for a 9.42-acre size, the LSTs would be greater than the LSTs for a 5-acre site. So, meeting the LSTs for a 5-acre area would imply compliance with a 9.42-acre site area. Table 5 provides the operational LSTs for this Project.

Table 5: Operational Localized Significance Thresholds

NO _x (lbs/day)	CO (lbs/day)	PM ₁₀ (lbs/day)	PM _{2.5} (lbs/day)
270	1,577	4	2
LSTs for SRA 24; Project area of 5 acres and a receptor distance of 25 meters.			

2.2.3 Cumulative Significance Thresholds

The SCAQMD has published a report on addressing cumulative impacts from air pollution: White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution (SCAQMD 2003)⁹. The SCAQMD considers projects that exceed the project-specific significance thresholds to be cumulatively considerable. Therefore, the Project-specific and cumulative significance thresholds are the same. As a result, projects that do not exceed the project-specific thresholds are generally not considered cumulatively significant.

The US Environmental Protection Agency currently designates the South Coast Air Basin, where the Project is located as nonattainment for ozone, PM₁₀ (CAAQS), and PM_{2.5}. The South Coast Air Basin part of the County is designated as a maintenance area for PM₁₀ NAAQS standards. By its nature, air pollution is largely a cumulative impact resulting from emissions generated over a large geographic region. The nonattainment status of regional pollutants is a result of past and present development within the air basin, and this regional impact is a cumulative impact. In other words, new development projects (such as the proposed Project) within the air basin would contribute to this impact only on a cumulative basis. No single project would be sufficient in size, by itself, to result in nonattainment of regional air quality standards. Instead, a project's emissions may be individually limited, but cumulatively considerable when combined with past, present, and future development projects.

The determination of cumulative air quality impacts for construction and operational emissions is based on whether the Project would result in regional emissions that exceed SCAQMD regional thresholds of significance for construction and operations on a project level. Projects that generate emissions below the SCAQMD regional significance thresholds would be considered consistent with regional air quality planning efforts and would not generate cumulatively considerable emissions.

⁹ South Coast Air Quality Management District (SCAQMD) 2003. White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution

2.3 - Criteria Pollutant Emission and Impact Estimates

2.3.1 Project Emissions

Project Construction

Construction activities for the Project were assumed to occur over 8 months commencing in January 2022 and would include the following elements:

- Fugitive dust mitigation applied as per SCAQMD Rule 403 – Fugitive Dust (watering every 2.1 hours during site preparation and grading, vehicle speed on unpaved surfaces <15 mph, and unpaved surface moisture content of 12%, compliance
- Construction equipment derived from the default CalEEMod model equipment inventory with the following exceptions: replacement of tractors/loaders/backhoes with crawler tractors to accommodate a compressed construction schedule; addition of an offroad highway watering truck for dust control during site preparation and grading activities
- Project site will require the export of 20,860 cubic yards of soil, resulting in the use of 1,043 haul trucks
- Construction schedule of 8 hours/day, 7 days/week¹⁰

Table 6 and Table 7 provide the Project's conceptual construction schedule and equipment inventory, respectively, based on the applicant's general schedule and equipment inventory. Table 7 shows the Project's construction vehicle trips.

Table 6: Construction Schedule

Activity	Start Date	End Date	Total Days
Site Preparation	01/03/2022	1/12/2022	10
Grading	01/13/2022	02/01/2022	20
Building Construction	02/02/2022	07/11/2022	160
Paving	07/12/2022	07/26/2022	15
Architectural Coating	07/27/2022	08/10/2022	15
Source: see Data Attachment			

¹⁰ Riverside County Ordinance 847 prohibits construction within 0.25 mile of an occupied residence unless it occurs between the hours of 6:00 a.m. and 6:00 p.m. (June through September) or between the hours of 7:00 a.m. and 6:00 p.m. (October through May). For purposes of this assessment a construction schedule of 7 days per week was assumed. Construction is not expected to be greater than 8 hours per day within the time window prescribed by the County Noise Ordinance except under unusual or emergency conditions.

Table 7: Construction Equipment Inventory

Activity	Equipment	Project Number	Project Hours per day	Default Horse-power	Default Load Factor
Site Preparation	Rubber Tired Dozers	3	8	247	0.40
	Off Highway Truck	1	6	402	0.38
	Crawler Tractors	4	8	212	0.43
Grading	Excavators	1	8	158	0.38
	Graders	1	8	187	0.41
	Rubber Tired Dozers	1	8	247	0.40
	Crawler Tractor	3	8	212	0.43
	Off-Highway Truck	1	6	402	0.38
Building Construction	Cranes	1	7	231	0.29
	Forklifts	3	8	89	0.20
	Generator Sets	1	8	84	0.74
	Tractors/Loaders/Backhoes	3	7	97	0.37
	Welders	1	8	46	0.45
Paving	Pavers	2	8	130	0.42
	Paving Equipment	2	8	132	0.36
	Rollers	2	8	80	0.38
Architectural Coating	Air Compressor	1	6	78	0.48

Source: see Data Attachment

Table 8: Construction Vehicle Trips

Activity	Construction Trips per Day		Total Trips
	Worker	Vendor	Haul
Site Preparation	18	0	0
Grading	15	0	2,086
Building Construction	172	67	0
Paving	16	0	0
Architectural Coating	34	0	0

Note:
⁽¹⁾ The grading haul trucks account for the offsite transport of 20,860 cy of soil
 Source: see Data Attachment

The duration of construction activity and associated equipment represent a reasonable approximation of the expected construction fleet as required per CEQA Guidelines. Table 9 shows the Project's estimated maximum daily regional construction emissions. As noted in Table 9, the Project's construction would not exceed the SCAQMD's regional emission significance thresholds. Table 10 presents the results of the Project's localized construction impact assessment. From Table 10, the construction of the Project would not exceed the SCAQMD's construction localized emission significance thresholds. As a result, the Project would not result in a significant impact during construction.

Table 9: Estimated Maximum Daily Regional Construction Emissions

Construction Activity	Maximum Daily Regional Construction Emissions ⁽¹⁾ (pounds/day)					
	ROG	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
2022						
Site Preparation	5.0	53.4	23.2	0.1	7.6	4.8
Grading	3.7	50.3	21.6	0.2	5.6	2.8
Building Construction	2.5	18.9	24.2	0.0	3.3	1.4
Paving	2.2	11.1	15.2	0.0	0.8	1.4
Architectural Coating	65.9	1.5	3.2	0.0	0.6	4.7
Maximum Daily Total	65.9	53.4	24.2	0.2	7.6	4.8
SCAQMD Regional Thresholds	75	100	550	150	150	55
Emissions Exceed Thresholds?	No	No	No	No	No	No
Notes: (ROG = reactive organic gases NO _x = oxides of nitrogen PM ₁₀ = particulate matter 10 microns or less in diameter PM _{2.5} = particulate matter 2.5 microns or less in diameter CO = carbon monoxide SO _x = sulfur oxides Source: see Data Attachment						

Table 10: Estimated Maximum Daily Localized Construction Emissions

Construction Activity	Maximum Daily Localized Construction Emissions (pounds/day)			
	NO _x	CO	PM ₁₀	PM _{2.5}
2022				
Site Preparation	53.4	22.5	7.4	4.7
Grading	36.9	18.0	3.4	2.2
Building Construction	15.6	16.4	0.8	0.8
Paving	11.1	14.6	0.6	0.5
Architectural Coating	1.4	1.8	0.1	0.1
Maximum Daily Total	53.4	22.5	7.4	4.7
SCAQMD LST	220	1,230	10	6

Emissions Exceed Thresholds?	No	No	No	No
Notes: NOx = oxides of nitrogen PM ₁₀ = particulate matter 10 microns or less in diameter PM _{2.5} = particulate matter 2.5 microns or less in diameter CO = carbon monoxide Source: see Data Attachment				

Project Operational Emissions

Long-term operational emissions are generated from day-to-day operations. Operational emissions for land use development projects are typically distinguished as mobile, area, and energy-source emissions. Mobile-source emissions are associated with motor vehicle traffic that would travel to and from the Project site. Area-source emissions are associated with landscape maintenance activities and periodic architectural coatings, while energy-source emissions are associated with natural gas consumption. Presented below are the main assumptions used in estimating the Project's operational emissions.

The operation of the Project's motor vehicles will be the largest contributor to the Project's operational emissions. To estimate the motor vehicle emissions requires information on the number and types of motor vehicles and their trip distances. Information extracted from the Project's Trip Generation Screening Memorandum¹¹ indicates that the Project would generate 491 daily trips, of which 105 will be truck trips. Table 11 provides the vehicle trip breakdown by vehicle class.

Table 11: Project Daily Operational Vehicle Trips

Warehouse		
Area	Trip Rate	
98,940TSF	4.96 Trips/TSF	
Fleet Mix	Percentage of Fleet	Vehicle Trips per day
Passenger Cars (LDA,LDT1,LDT2, MDV)	78.6	386
2-axle trucks (LDTT1, LHDT2)	8.00	39
3-axle trucks (MHDT)	3.9	19
4+axle trucks (HHDT)	9.5	47
Total	100.0	491
LDA = light duty automobile, LDT1 and LDT2 = light duty trucks, MDV = medium duty vehicle, LHDT1 and LHDT2 = light heavy-duty trucks, MHDT = medium heavy-duty truck, HHDT = heavy-heavy duty truck TSF = thousand square feet Source: Project Trip Generation Screening Memorandum		

The estimation of the mobile source emissions required two executions of the CalEEMod model. This was done to quantify the mobile source emissions more accurately due to the differences in trip lengths between vehicle types. CalEEMod Run1 quantified the daily emissions from passenger vehicles and light heavy-duty local delivery trucks. The vehicle trip distances for the vehicles in Run1 were taken as the

¹¹ EPDS June 21, 2021. Seaton Ave and Perry Street Trip Generation.

default values contained in the CalEEMod model. Run2 quantified the daily emissions from the long-haul trucks consisting of 3-axle trucks and 4+axle trucks. For these vehicle types, a trip distance of 40 miles was assumed for long-haul trucks following guidance from SouthCoast Air Quality Management District¹² Table 12 provides the vehicle fleet mix assumed in each CalEEMod run. Note that in evaluating the Project's localized operational emissions, an onsite trip distance for all vehicles was set at 0.2 miles based on the average distance vehicle will travel onsite from the driveways to the building loading docks. (Recall that the LST methodology only quantifies emissions generated from onsite activities).

As noted in Section 2.0, Project Description, 20 percent of the building space would be devoted to cold storage refrigerated uses. As a result, it was assumed that 20 percent of all heavy-duty diesel trucks would be equipped with a transportation refrigeration unit (TRU)¹³. The TRU emissions were estimated based on the information available from the ARB OFFROAD2017 emissions model. Table 12 summarizes the TRU emission rates derived from the OFFROAD 2017 model for the County for 2022. The details regarding the data and assumptions for estimating the TRU emissions are presented in the Data Attachment. The TRU emissions were estimated for travel within the Project site while operating at the loading docks and traveling offsite on the local roadways. The analysis assumed that each TRU would operate for 2 hours as a reasonable approximation while loading/unloading at the loading docks.

Also, each building would be equipped with a fire pump for use in fire protection. The fire pumps were included in the CalEEMod run under stationary sources. Finally, it was assumed that any operational support equipment such as forklifts would be propane or compressed natural gas-fueled. The forklifts were included in the CalEEMod model as offsite sources. Based on a recent survey of warehouse projects, it was assumed that each building would be served by 5 forklifts, 1 forklift per 10,000 square-feet of building space.

Table 12: Vehicle Fleet Mix for the Estimation of Project Operational Impacts

VehicleClass	CalEEMOd Run1 (%Total)	CalEEMOd Run2 (% Total)
Light Duty Auto	56.1	0.0
Light Heavy Duty Truck 1	3.7	0.0
Light Heavy Duty Truck 2	19.1	0.0
Medium Duty Vehicle	11.8	0.0
Light Heavy Duty Truck 1	7.3	0.0
Light-Heavy Duty Truck 2	1.9	0.0
Medium-Heavy Duty Truck	0.0	29.0
Heavy-Heavy Duty Truck	0.0	71.0
Total	100.0	100.0

¹² The average trip length for heavy-duty trucks was based on the SCAQMD documents for the implementation of the Facility-Based Mobile Source Measures (FBMSMs) adopted in the 2016 AQMP. The SCAQMD's "Preliminary Warehouse Emission Calculations" cites a 39.9-mile trip length of heavy-heavy duty trucks. As a conservative measure, the trip length of 40 miles was assumed for all medium-heavy- and heavy-heavy duty haul trucks.

¹³ A TRU is a small diesel-fueled engine affixed either to the truck or trailer that is used to transport perishable products.

Note:

The percentage of motorcycles, motor homes, and buses was set to zero as these types of vehicles are not included within the Project.
Source: see Data Attachment

Table 13: TRU Emission Rates

Pollutant	Emission Rate (grams/hour)
ROG	5.68
NO _x	48.78
CO	70.87
SO ₂	0.0003
PM ₁₀ Exhaust	0.72
PM _{2.5} Exhaust	0.66
CO ₂	1,174.0
Source See Data Attachment	

Table 14 summarizes the Project's regional operational emissions and a comparison to the SCAQMD's regional significance thresholds. As noted in Table 14, the Project's operational emissions do not exceed the applicable regional significance thresholds. Table 15 provides the localized operational emissions results and a comparison to the SCAQMD localized significance thresholds. From Table 15, the Project's localized operational emissions are less than the SCAQMD localized thresholds. Based on the information contained in Table 14 and Table 15, the Project's operation would not result in a significant air quality impact during operation.

Table 14: Estimated Maximum Daily Regional Operational Emissions

Operational Activity	Maximum Daily Regional Operational Emissions (pounds/day) ^{(1),(2)}				
	ROG	NO _x	CO	PM ₁₀	PM _{2.5}
Area	2.3	<0.1	<0.1	<0.1	<0.1
Energy	<0.1	0.3	0.3	<0.1	<0.1
Mobile Vehicles – Passenger and Local Delivery Trucks	0.8	2.2	11.8	3.9	1.1
Mobile Vehicles – Haul Trucks	0.2	10.0	2.1	2.5	0.8
TRU	0.5	3.9	3.0	<0.1	<0.1

Operational Activity	Maximum Daily Regional Operational Emissions (pounds/day) ^{(1),(2)}				
	ROG	NO _x	CO	PM ₁₀	PM _{2.5}
Stationary Sources (Fire Pumps)	0.7	2.1	1.9	0.1	0.1
Offroad Sources (Forklifts)	0.1	5.8	70.1	0.1	0.1
Total Project Operational Emissions	4.6	20.9	89.2	6.8	2.3
SCAQMD Significance Threshold	55	55	550	150	55
Exceed Threshold?	No	No	No	No	No

Notes:
⁽¹⁾ NO_x = oxides of nitrogen PM₁₀ = particulate matter 10 microns or less in diameter ROG = reactive organic gases
PM_{2.5} = particulate matter 2.5 microns or less in diameter CO = carbon monoxide
Maximum of daily Summer or winter season emissions presented
⁽²⁾ All SO_x emissions are <0.1 pounds/day
Source: see Data Attachment

Table 15: Estimated Maximum Daily Localized Operational Emissions

Operational Activity	Maximum Daily Localized Emissions (pounds/day)			
	NO _x	CO	PM ₁₀	PM _{2.5}
Area	<0.1	<0.1	<0.1	<0.1
Energy	0.3	0.3	<0.1	<0.1
Mobile Vehicles – Passenger and Local Delivery Trucks	0.2	2.0	0.1	<0.1
Mobile Vehicles – Haul Trucks	1.1	0.9	<0.1	<0.1
TRU	1.8	2.6	<0.1	<0.1
Stationary Source (Fire Pumps)	2.1	1.9	0.1	0.1
Offroad Sources (Forklifts)	5.8	70.1	0.1	0.1
Total Operational Emissions	11.3	77.8	0.4	0.4
SCAQMD Significance Threshold	270	1,577	4	2
Exceed Threshold?	No	No	No	No

Notes:
NO_x = oxides of nitrogen PM₁₀ = particulate matter 10 microns or less in diameter
PM_{2.5} = particulate matter 2.5 microns or less in diameter CO = carbon monoxide
Maximum of daily Summer or winter season emissions presented
Source: see Data Attachment

2.3.2 Cumulative Impacts

Construction

As shown above in Table 9, the Project's maximum daily regional construction emissions would not exceed SCAQMD's regional thresholds of significance. Therefore, the Project's construction emissions would not result in a cumulatively considerable incremental contribution to the existing cumulative air quality impacts. Furthermore, all construction activities would comply with applicable SCAQMD rules and regulations, including Rule 403 to minimize fugitive PM dust emissions. Therefore, the cumulative impact from the construction of the Project would be less than significant. No mitigation is required.

Operations

As shown above in Table 14, the Project's maximum daily operational emissions would not exceed SCAQMD's regional thresholds of significance. Therefore, the Project's operational emissions would not result in a cumulatively considerable incremental contribution to the existing cumulative air quality impacts. As a result, the cumulative impacts from the long-term operation of the Project would be less than significant. No mitigation is required.

2.3.3 Health Consequences from Criteria Pollutants

In December 2018, in the case of *Sierra Club v. County of Fresno* (2018) 6 Cal.5th 502 (“*Friant Ranch*”), the California Supreme Court held that an EIR's air quality analysis must meaningfully connect the identified significant air quality impacts to the human health consequences of those impacts, or meaningfully explain why that analysis cannot be provided. As noted in the Brief of Amicus Curiae by the SCAQMD in the *Friant Ranch* case (Brief), SCAQMD has among the most sophisticated air quality modeling and health impact evaluation capabilities of any of the air districts in the State. Thus, it is uniquely situated to express an opinion on how lead agencies should correlate air quality impacts with specific health outcomes.

The SCAQMD noted that it may be “difficult to quantify health impacts for criteria pollutants.” SCAQMD used O₃ as an example of why it is impracticable to determine specific health outcomes from criteria pollutants for all but very large, regional-scale projects. First, forming O₃ “takes time and the influence of meteorological conditions for these reactions to occur, so ozone may be formed at a distance downwind from the sources.” Second, “it takes a large amount of additional precursor emissions (NO_x and VOCs) to cause a modeled increase in ambient ozone levels over an entire region,” with a 2012 study showing that “reducing NO_x by 432 tons per day (157,680 tons/year) and reducing VOC by 187 tons per day (68,255 tons/year) would reduce ozone levels at the SCAQMD’s monitor site with the highest levels by only 9 parts per billion.”

SCAQMD concluded that it “does not currently know of a way to accurately quantify ozone-related health impacts caused by NO_x or VOC emissions from relatively small projects.” The San Joaquin Valley Unified Air Pollution Control District (SJVUAPCD) Brief ties the difficulty of correlating the emission of criteria pollutants to health impacts to how ozone and particulate matter are formed, stating that “[b]ecause of the complexity of ozone formation, a specific tonnage amount of NO_x or VOCs emitted in a particular area does not equate to a particular concentration of ozone in that area.” Similarly, the tonnage of PM “emitted does not always equate to the local PM concentration because it can be transported long distances by wind,” and “[s]econdary PM, like ozone, is formed via complex chemical reactions in the atmosphere

between precursor chemicals such as sulfur dioxides (SO_x) and NO_x,” meaning that “the tonnage of PM-forming precursor emissions in an area does not necessarily result in an equivalent concentration of secondary PM in that area.” The disconnect between the amount of precursor pollutants and the concentration of ozone or PM formed makes it difficult to determine potential health impacts, which are related to the concentration of ozone and PM experienced by the receptor rather than levels of NO_x, SO_x, and VOCs produced by a source.

Most local agencies, including the County, lack the data to do their own assessment of potential health impacts from criteria air pollutant emissions, as would be required to establish customized, locally-specific thresholds of significance based on potential health impacts from an individual development project. The use of national or “generic” data to fill the missing local data gap would not yield accurate results because such data does not capture local air patterns, local background conditions, or local population characteristics, all of which play a role in how a population experiences air pollution. Because it is impracticable to accurately isolate the exact cause of human disease (for example, the role a particular air pollutant plays compared to the role of other allergens and genetics in causes of asthma), the County has determined that existing scientific tools cannot accurately estimate health impacts of the Project’s air emissions without undue speculation. Instead, readers are directed to Section 2.3 which provides extensive information concerning the regional and local impact analyses related to the Project’s construction and long-term operation. Both the regional and local analyses determined that the Project would not result in emissions exceeding SCAQMD’s regional or LSTs during either construction or long-term operation. In addition, and unlike the Project at issue in the *Friant Ranch* case, Project would not result in any significant and unavoidable air quality impacts. Therefore, the proposed Project would not be expected to exceed the most stringent applicable federal or State ambient air quality standards for emissions of CO, NO_x, PM₁₀, and PM_{2.5}.

As the Project’s emissions would comply with federal, State, and local air quality standards, the Project’s emissions are not sufficiently high enough to result in a significant health impact. Moreover, they are also not high enough to use a regional modeling program to correlate health effects on a basin-wide level and would not provide a reliable indicator of health effects if modeled.

2.4 - Conclusions

The Project's construction and operational emissions would not exceed the SCAQMD's established Project level or cumulative regional or localized pollutant significance thresholds during either construction or operation. No mitigation is required.

SECTION 3: CALEEMOD EMISSION ESTIMATES - GREENHOUSE GAS EMISSIONS

This section analyzes the potential impacts on climate change from the Project's emissions of various greenhouses (GHG). The CalEEMod model was used to estimate GHG emissions for the following constituents: carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O), of which CO₂ comprises approximately 95 to 99 percent of the total GHG emissions.

3.1 - Regulatory Setting

In 2015, the County completed a comprehensive update of its General Plan and certified an Environmental Impact Report No. 521 (2015 General Plan Amendment EIR), State Clearinghouse (SCH) No. 200904105. The County's General Plan update included a Sustainability and Global Environmental Stewardship vision culminating in the 2015 County's Climate Action Plan (2015 CAP). The 2015 CAP established the County's sustainability and conservation measures based on an unincorporated County baseline inventory of greenhouse gas (GHG) emissions from 2008 and developed a year 2020 GHG emissions reduction target of 15 percent below 2008 baseline levels in accordance with the State reduction goals in Assembly Bill (AB) 32. The emissions categories included in the 2008 baseline GHG inventory are transportation, energy (electricity and natural gas), area sources, purchased water, solid waste, and agriculture.

In 2019 the County updated its Climate Action Plan (CAP Update) that established GHG emission reduction programs and regulations that correlate with and support the evolving GHG emission reduction goals and strategies. The CAP Update includes reduction targets for year 2030 and year 2050. These reduction targets require the County to reduce emissions by at least 525,511 MT CO₂e below the Adjusted Business as Usual (ABAU) scenario by 2030 and at least 2,982,948 MT CO₂e below the ABAU scenario by 2050 (CAP Update, p.7-1).

To evaluate consistency with the CAP Update, the County has implemented CAP Update Screening Tables (Screening Tables) to measure the reduction of GHG emissions attributable to certain design and construction measures incorporated in development projects. To this end, the Screening Tables establish categories of GHG Implementation Measures. Under each Implementation Measure category, mitigation or project design features (collectively "features") are assigned point values that correspond to the minimum GHG emissions reduction that would result from each feature. Projects that yield at least 100 points are considered to be consistent with the GHG emissions reduction quantities anticipated in the County's GHG Technical Report and support the GHG emissions reduction targets established under the CAP Update. The potential for such projects to generate direct or indirect GHG emissions that would result in a significant impact on the environment; or conflict with an applicable plan, policy, or regulation adopted to reduce the emissions of GHGs would be considered less than-significant

3.2 - Significance Threshold

The CAP Update identifies a two-step approach in evaluating GHG emissions. First, a 3,000 MTCO₂e/yr screening threshold is used to determine if additional analysis is required. Projects that exceed the 3,000 MTCO₂e/yr will be required to quantify and disclose the anticipated GHG emissions then either 1)

demonstrate the GHG emissions at project buildout year levels of efficiency and include project design features and/or mitigation measures to reduce GHG emissions or 2) garner 100 points through the Screening Tables. Projects that garner at least 100 points (equivalent to an approximate 49% reduction in GHG emissions) are determined to be consistent with the reduction quantities anticipated in the County's GHG Technical Report, and consequently would be consistent with the CAP Update. As such, projects that achieve a total of 100 points or more are considered to have a less than significant individual and cumulative impact on GHG emissions.

3.3 - Project GHG Emissions

3.3.1 Construction

Table 16 summarizes the Project's total construction GHG emissions based on the construction schedule, equipment inventory, mobile source operations presented earlier in Section 2.1.1 above. Note that in keeping with the guidance from the SCAQMD, the Project's construction emissions were amortized over 30 years and added to the Project's operational emissions to provide a total estimate of the Project's GHG emissions.

Table 16: Project Construction GHG Emissions

Activity	Annual GHG Emissions (MTCO ₂ e)
2022	565
Total Emissions Amortized Over 30 years	19
Source: Data Attachment	

3.3.2 Operations

Table 17 summarizes the Project's operational GHG emissions with the construction GHG emissions and the total Project GHG emissions. The total annual GHG emissions during construction and operation is 2,470 MTCO₂e per year, an emission level less than the County's screening threshold of 3,000 MTCO₂e per year. Therefore, the Project's construction and operational GHG emissions are less than significant.

Table 17: Project GHG Emissions

Activity	Annual GHG Emissions (MTCO ₂ e)
Project Operational Emissions Area	0
Energy	243
Mobile-Passenger Vehicles and Local Delivery Trucks	606
Mobile – Haul Trucks	1,200
TRU	16
Waste	47
Water	88
Stationary	9

Activity	Annual GHG Emissions (MTCO ₂ e)
Offroad	242
Total	2,451
Project Construction Emissions	19
Project Construction and Operation	2,470
Significance Threshold	3,000
Project Exceeds Threshold?	No
Source: see Data Attachment	

3.3 Consistency with Applicable Plans, Policy or Regulations Adopted for the Purpose of Reducing GHG Emissions

As noted in the previous section, the Project would not exceed the County’s screening GHG significance threshold of 3,000 MT CO₂e per year. Because the Project would not exceed the threshold, this analysis supports the conclusion that the Project would not impede the state’s trajectory toward the above-described statewide GHG reduction goals for 2030.

Notwithstanding, the analysis provided below examines the Project’s consistency with the various state and local programs to reduce future GHG levels. Several plans and policies have been adopted to reduce GHG emissions in the Southern California region, including the State’s 2008 and 2017 Scoping Plans, and the County Climate Action Plan. The following subsections discuss the Project’s consistency with these plans. As discussed therein, the Project would not conflict with plans and policies aimed at reducing GHG emissions. Project impacts are less than significant.

3.3.1 California Scoping Plans

The principal state plan and policy are set forth in Executive Order S-03-05, Assembly Bill (AB 32), the California Global Warming Solutions Act of 2006¹⁴, and the subsequent Senate Bill (SB 32), the California Global Warming Solutions Act of 2006¹⁵: emissions limit (2015-2016). The quantitative goal of AB 32 is to reduce GHG emissions to 1990 levels by 2020. AB32 required the CARB to develop a Scoping Plan that describes California’s approach to reduce GHGs to achieve the 2020 emission target. Consistency with AB32 and the 2008 Scoping Plan is not necessary since the target year for AB32 and the 2008 Scoping Plan was 2020, and the Project’s buildout year is 2022. As such, the 2008 Scoping Plan does not apply and consistency with the 2017 Scoping Plan is relevant.

The 2017 Scoping Plan Update reflects the 2030 target of a 40 percent reduction below 1990 levels as set by Executive Order B-30-15 and codified by SB 32. Executive Order No. S-3-05 established a goal of reducing the State’s GHG emissions to 80 percent below the 1990 level by the year 2050. However, the

¹⁴ AB32 The Global Warming Solutions act of 2006. Website: <https://ww2.arb.ca.gov/our-work/programs/ab-32-climate-change-scoping-plan/2008-scoping-plan-documents>

¹⁵ SB32 2016. The Global Warming Solutions act of 2006: emissions 2015-2016. Website: https://leginfo.legislature.ca.gov/faces/billCompareClient.xhtml?bill_id=201520160SB32

Legislature and CARB have not codified this goal and have not adopted a strategy or regulations designed to meet the 2050 goal.

2017 Scoping Plan Update

The 2017 Scoping Plan Update reflects the 2030 target of a 40 percent reduction below 1990 levels, set by Executive Order B-30-15 and codified by SB 32, with substantial advancement towards a 2050 climate goal to reduce GHG emissions by 80 percent below 1990 levels. The Project would be consistent with the applicable measures established in the 2017 Scoping Plan Update as shown in Table 18.

Table 18: Project Consistency with the 2017 Scoping Plan Update

Scoping Plan Measure	Project Consistency
Implement SB350 by 2030	
Increase the Renewables Portfolio Standard to 50% of retail sales by 2030 and ensure grid reliability.	Consistent. The Project would use energy from Southern California Edison (SCE). SCE has committed to diversify its portfolio of energy sources by increasing energy from wind and solar sources. The Project would not interfere with or obstruct SCE energy source diversification efforts.
Establish annual targets for statewide energy efficiency savings and demand reduction that will achieve a cumulative doubling of statewide energy efficiency savings in electricity and natural gas end uses by 2030.	Consistent. The Project would be constructed in compliance with current California Building Code requirements. Specifically, new buildings must achieve compliance with 2019 Building and Energy Efficiency Standards and the 2019 California Green Building Standards requirements. The Project includes energy efficient field lighting and fixtures that meet the current Title 24 Standards throughout the Project site and would be a modern development with energy efficient heaters, and air conditioning systems.
Reduce GHG emissions in the electricity sector through the implementation of the above measures and other actions as modeled in Integrated Resource Planning (IRP) to meet GHG emissions reductions planning targets in the IRP process. Load-serving entities and publicly- owned utilities meet GHG emissions reductions planning targets through a combination of measures as described in IRPs.	
Implement Mobile Source Strategy (Cleaner Technology and Fuels)	
At least 1.5 million zero emission and plug-in hybrid light-duty EVs by 2025.	Consistent. This is a CARB Mobile Source Strategy. The Project would not obstruct or interfere with CARB zero emission and plug-in hybrid light-duty EV 2025 targets. As this is a CARB enforced standard, vehicles that access the Project must comply with the standards and therefore comply with the strategy.
At least 4.2 million zero emission and plug-in hybrid light-duty EVs by 2030.	Consistent. This is a CARB Mobile Source Strategy. The Project would not obstruct or interfere with CARB zero-emission and plug-in hybrid light-duty EV 2030 targets. As this is a CARB-enforced standard, vehicles that access the Project must comply with the standards and therefore comply with the strategy.

Scoping Plan Measure	Project Consistency
Further increase GHG stringency on all light-duty vehicles beyond existing Advanced Clean cars regulations.	Consistent. This is a CARB Mobile Source Strategy. The Project would not obstruct or interfere with CARB efforts to further increase GHG stringency on all light-duty vehicles beyond existing Advanced Clean cars regulations. As this is a CARB-enforced standard, vehicles that access the Project must comply with the standards and therefore comply with the strategy.
Medium- and Heavy-Duty GHG Phase 2.	Consistent. This is a CARB Mobile Source Strategy. The Project would not obstruct or interfere with CARB efforts to implement Medium- and Heavy-Duty GHG Phase 2. As this is a CARB-enforced standard, vehicles that access the Project must comply with the standards and comply with the strategy.
Innovative Clean Transit: Transition to a suite of to-be-determined innovative clean transit options. Assumed 20% of new urban buses purchased beginning in 2018 will be zero-emission buses with the penetration of zero-emission technology ramped up to 100% of new sales in 2030. Also, new natural gas buses, starting in 2018, and diesel buses, starting in 2020, meet the optional heavy-duty low-NO _x standard.	Not applicable. This measure is not within the purview of this Project.
Last-Mile Delivery: New regulation that would result in the use of low NO _x or cleaner engines and the deployment of increasing numbers of zero-emission trucks primarily for class 3-7 last mile delivery trucks in California. This measure assumes ZEVs comprise 2.5% of new Class 3–7 truck sales in local fleets starting in 2020, increasing to 10% in 2025 and remaining flat through 2030.	No Conflict. This is a CARB Mobile Source Strategy. The Project would not obstruct or interfere with CARB efforts to improve last-mile delivery emissions.
Further reduce VMT through continued implementation of SB 375 and regional Sustainable Communities Strategies; forthcoming statewide implementation of SB 743; and potential additional VMT reduction strategies not specified in the Mobile Source Strategy but included in the document "Potential VMT Reduction Strategies for Discussion."	No Conflict. This is a CARB VMT Reduction Strategy. The Project would not obstruct or interfere with CARB efforts to implement VMT reduction strategies articulated under SB 374 and the Sustainable Communities Strategies
Increase stringency of SB 375 Sustainable Communities Strategy (2035 targets).	Consistent. This is a CARB Mobile Source Strategy. The Project would not obstruct or interfere with CARB efforts to improve last-mile delivery emissions.
Harmonize project performance with emissions reductions and increase competitiveness of transit and active transportation modes (e.g., via guideline documents, funding programs, project selection, etc.).	Consistent. The Project would not obstruct or interfere with agency efforts to harmonize transportation facility project performance with emissions reductions and increase competitiveness of transit and active transportation modes.

Scoping Plan Measure	Project Consistency
By 2019, develop pricing policies to support low-GHG transportation (e.g., low-emission vehicle zones for heavy duty, road user, parking pricing, transit discounts).	Not applicable. This measure is not within the purview of this Project.
Implement California Sustainable Freight Action Plan	
Improve freight system efficiency.	Consistent. This measure would apply to all trucks accessing the Project site, this may include existing trucks or new trucks that are part of the statewide goods movement sector. The Project would not obstruct or interfere with agency efforts to Improve freight system efficiency.
Deploy over 100,000 freight vehicles and equipment capable of zero emission operation and maximize both zero and near-zero emission freight vehicles and equipment powered by renewable energy by 2030.	Not applicable. This measure is not within the purview of this Project.
Adopt a Low Carbon Fuel Standard with a Carbon Intensity reduction of 18%.	Consistent. When adopted, this measure would apply to all fuel purchased and used by the Project in the State. The Project would not obstruct or interfere with agency efforts to adopt a Low Carbon Fuel Standard with a Carbon Intensity reduction of 18%.
Implement the Short-Lived Climate Pollutant Strategy (SLPS) by 2030	
40% reduction in methane and hydrofluorocarbon emissions below 2013 levels.	Consistent. The Project would be required to comply with this measure and reduce any Project-source SLPS emissions accordingly. The Project would not obstruct or interfere with agency efforts to reduce SLPS emissions.
50% reduction in black carbon emissions below 2013 levels.	Consistent. This measure is not within the purview of this Project.
By 2019, develop regulations and programs to support organic waste landfill reduction goals in the SLCP and SB 1383.	Not applicable. This measure is not within the purview of this Project.
Implement the post-2020 Cap-and-Trade Program with declining annual caps.	Consistent. The Project would be required to comply with any applicable Cap-and-Trade Program provisions. The Project would not obstruct or interfere agency efforts to implement the post-2020 Cap-and-Trade Program.
By 2018, develop Integrated Natural and Working Lands Implementation Plan to secure California's land base as a net carbon sink:	
Protect land from conversion through conservation easements and other incentives.	Not applicable. This measure is not within the Project site's purview as the Project site is not an identified property that needs to be conserved.
Increase the long-term resilience of carbon storage in the land base and enhance sequestration capacity	Not applicable. This measure is not within the purview of this Project. The majority of the site is already currently developed.

Scoping Plan Measure	Project Consistency
Utilize wood and agricultural products to increase the amount of carbon stored in the natural and built environments	Consistent. To the extent appropriate for the proposed industrial buildings, wood products would be used in construction, including roof structure. Additionally, the Project includes landscaping.
Establish scenario projections to serve as the foundation for the Implementation Plan	Not applicable. This measure is not within the purview of this Project.
Implement Forest Carbon Plan	Not applicable. This measure is not within the purview of this Project.

Therefore, based on the analysis above, the Project would be consistent with the 2017 Scoping Plan.

3.4 - Conclusions

As noted from the results shown in Table 17 above, the Project's total construction and operational emissions of 2,470 MTCO₂/year are below the County's screening significance threshold of 3,000 MTCO₂e per year. The 3,000 MTCO₂e per year value is used in defining small projects that are considered less than significant when combined with the modest efficiency measures. The efficiency measures include meeting Title 24 requirements and water conservation measures per the California Green Building Standards Code. The Project would also be consistent with applicable policies and plans for the purpose of reducing GHG emissions. Therefore, the Project construction and operation would not result in a significant GHG impact.

SECTION 4: PROJECT FUEL AND ENERGY CONSUMPTION

4.1 - Assumptions

- Construction equipment fuel consumption derived from ARB Offroad2017 emission model and the CalEEMod construction equipment
- Fuel Consumption from vehicle travel derived from ARB EMFAC2017 emission model
- Electrical and natural gas usage derived from the CalEEMod model

4.2 - Significance Thresholds

Neither Appendix F of the State CEQA Guidelines nor PRC Section 21100(b)(3)) provides a numerical threshold of significance that might be used to evaluate the potential significance of energy consumption of a proposed Project. Instead, the emphasis is on reducing "the wasteful, inefficient, and unnecessary consumption of energy." Based on this focus of the guidelines, for purposes of this report, the Project would have a significant impact related to energy consumption if it would:

- Involve the wasteful, inefficient, and unnecessary consumption of energy, especially fossil fuels such as coal, natural gas, and petroleum, associated with Project design, Project location, the use of electricity and natural gas, and the use of fuel by vehicles anticipated to travel to and from the Project.

4.3 - Construction

4.3.1 Electricity and Natural Gas Usage

Southern California Edison Company would provide temporary electric power for as-necessary lighting and electronic equipment such as computers inside temporary construction trailers. The electricity used for such activities would be temporary and would be substantially less than that required for Project operation and would have a negligible contribution to the Project's overall energy consumption.

Natural gas is not anticipated to be required during the construction of the Project. Fuels used during the construction would primarily consist of diesel and gasoline, which are discussed below under the "petroleum" subsection. Any minor amounts of natural gas that may be consumed due to project construction would be substantially less than that required for Project operation and would have a negligible contribution to the Project's overall energy consumption.

4.3.2 Petroleum Fuel Usage

Off-road heavy-duty construction equipment associated with construction activities would rely on diesel fuel, as vendors and haul trucks would be involved in delivering building materials and removing the demolition debris from the Project site. Construction workers would travel to and from the Project site throughout the duration of construction. The analysis assumed that construction workers would travel to and from the site in gasoline-powered passenger vehicles. Table 19 presents the fuel usage for the off-road construction equipment. These estimates are based on the annual total fuel consumption and horsepower-hour data in the ARB OFFROAD2017 emission model for specific types of diesel construction

equipment employed in the Project construction. Note that the total fuel consumption during construction computed below likely substantially overstates the amount of fuel usage. Although construction equipment and their duration are listed under a particular construction activity, there is a likelihood that not all of the inventoried equipment would operate over the entire duration of the construction activity. For example, a crane is listed as one of the equipment's operational pieces during building construction. However, it is highly unlikely that the crane would operate over the entire duration of 160 days assumed during the building construction activity.

Table 20 summarizes the Project's construction vehicle fuel usage. The fuel usage is based on the vehicle type (worker vehicle, vendor vehicle, and haul truck), vehicle miles traveled, and fuel usage factors contained in the ARB EMFAC2017 mobile source emission model and the CalEEMod model to derive the average vehicle fuel economy, which is then used to determine the estimated annual fuel consumption associated with vehicle usage during Project construction and operational activities. Table 21 summarizes the total construction fuel consumption.

4.4 - Operational Energy Requirements

Table 22 summarizes the Project's operational fuel and energy requirements. Project operations would generate 2,784,263 vehicle miles per year, requiring about 139,252 gallons of fuel annually (52,838 gallons of diesel fuel and 86,413 gallons of gasoline). Project operation would also require 1,006,518 thousand kilowatt-hours of electricity each year and 1,182,831 thousand BTU each year of natural gas.

4.5 - Conclusions

Construction of the Project would result in fuel consumption from construction tools and equipment, vendor and haul truck trips, and vehicle trips generated from construction workers traveling to and from the site. Construction activities and corresponding fuel energy consumption would be temporary and localized. The use of diesel fuel and heavy-duty equipment would not be a typical operational condition of the Project. Also, there are no unusual Project characteristics that would cause the use of construction equipment that would be less energy efficient compared to other similar construction sites in other parts of the State. Whether it be for a household task or construction Project such as the proposed Project, any construction job's rational goal is to minimize construction costs while meeting all legal requirements for doing so. Therefore, construction-related fuel consumption by the Project would not result in inefficient, wasteful, or unnecessary energy use compared with other construction sites in the region.

According to CEQA Guidelines Appendix F, the goal of conserving energy implies the wise and efficient use of energy, including decreasing overall per capita energy consumption, reducing reliance on natural gas and oil, and increasing reliance on renewable energy sources. The Project would comply with all of the energy efficiency requirements under all applicable State, county, and local business and energy code ordinances. As a result, the Project's operation would not result in inefficient, wasteful, or unnecessary energy use compared with other similar residential Projects in the region. Project annual fuel consumption estimates presented previously in Table 22 represent likely potential maximums that would occur for the Project. Under future conditions, average fuel economies of vehicles accessing the Project site can be expected to improve as older, less fuel-efficient vehicles are removed from circulation in response to fuel economy and emissions standards imposed on newer vehicles entering the circulation system. Enhanced fuel economies realized pursuant to federal and State regulatory actions and related

transition of vehicles to alternative energy sources (e.g., electricity, natural gas, biofuels, hydrogen cells) would likely decrease future gasoline fuel demands per VMT. No mitigation is required.

Table 19: Construction Equipment Fuel Usage

Activity	Equipment	Project Number	Project Hours per day	Default Horsepower	Default Load Factor	Days of Construction	Total Horsepower-hours	Fuel Rate (gal/hp-hr)	Fuel Use (gallons)
Site Preparation	Off-Highway Truck	1	6	403	0.38	10	9,188	0.019800	182
	Crawler Tractor	4	8	212	0.43	10	29,171	0.022173	647
	Rubber Tired Dozer	3	8	247	0.4	10	23,712	0.020461	485
Grading	Crawler Tractor	4	8	212	0.43	10	29,171	0.022173	647
	Excavators	1	8	158	0.38	20	9,606	0.019763	190
	Graders	1	8	187	0.41	20	12,267	0.021143	259
	Off-Highway Truck	1	6	403	0.38	20	18,377	0.019800	364
	Rubber Tired Dozers	1	8	247	0.4	20	15,808	0.020461	323
Building Construction	Crawler Tractor	3	8	212	0.43	20	43,757	0.022173	970
	Crane	1	7	231	0.29	160	75,029	0.014896	1,118
	Forklifts	3	8	89	0.2	160	68,352	0.019105	1,306
	Tractors/Loaders/Backhoes	3	7	97	0.37	160	120,590	0.023965	2,890
	Welders	1	8	46	0.45	160	26,496	0.023965	635
Paving	Generator Set	1	8	84	0.74	160	79,565	0.023965	1,907
	Pavers	2	8	130	0.42	15	13,104	0.021525	282
	Paving Equipment	2	8	132	0.36	15	11,405	0.018334	209
Architectural Coating	Rollers	2	8	80	0.38	15	7,296	0.019412	142
	Air Compressor	1	6	78	0.48	15	3,370	0.023965	81
Fuel Consumption rates derived from the ARB OFFROAD2017 - Orion Web Database									
								Total	12,636

Table 20: Estimated Project Construction Vehicle Fuel Usage

Construction Source	Gallons of Diesel Fuel	Gallons of Gasoline Fuel
Haul Trucks	5,842	0
Vendor Trucks	8,082	0
Worker Vehicles	0	14,387
Construction Vehicles Total	13,924	14,387
Source: see Data Attachment		

Table 21: Total Construction Fuel Usage

Construction Source	Gallons of Diesel Fuel	Gallons of Gasoline Fuel
Construction Vehicles	13,924	14,387
Off-road Construction Equipment	12,636	0
Construction Total	26,560	14,387
Source: see Data Attachment		

Table 22: Project Annual Operational Energy Requirements

Operational Source (value per year)		
	Annual VMT	Gallons of Fuel
Transportation – Project	2,784,263 (Total)	139,252
	496,655(DSL)	52,838(DSL)
	2,287,608(GAS)	86,413(GAS)
Thousands Kilowatt-Hours		
Electricity – Project	1,006,518	
Thousands British Thermal Units		
Natural Gas – Project	1,182,831	
Source: see Data Attachment		

DATA ATTACHMENT

	Page
CalEEMod Land Uses	1
Project Vehicle Fleet Mix	2
Project Construction and Operational LSTs	3
CalEEMod Construction Emission Summary	4
Construction Equipment Fuel Usage	5
Construction Vehicle Fuel Usage	6
Operational VMT and Fuel Usage	7
EMFAC2017 VMT and Fuel Mix	8
CalEEMod Construction - Summer	9
CalEEMod Construction - Winter	43
CalEEMod Construction - Annual	77
CalEEMod Operational – Pass Vehicles + Local Trucks+All Other Sources - Summer	118
CalEEMod Operational – Pass Vehicles + Local Trucks+All Other Sources - Winter	137
CalEEMod Operational – Pass Vehicles + Local Trucks+All Other Sources - Annual	165
CalEEMod Operational – Haul Trucks - Summer	200
CalEEMod Operational – Haul Trucks - Winter	263
CalEEMod Operational – Haul Trucks - Annual	326
CalEEMod Operational LST – Pass Vehicles + Local Trucks+All Other Sources - Summer	396
CalEEMod Operational LST – Haul Trucks - Summer	424
TRU Emission Factors and Emission Rates	487

Seaton Avenue/Perry Street Industrial Project

CalEEMod Land Uses

Total Project Area	9.43 acres	
Total Project Building Size	98940 sq-ft	
Percent Cold Storage	20%	
Percent Non-Cold Storage	80%	
Building Area - Cold Storage	19788 sq-ft or	0.45 acres
Building Area - Non-Cold Storage	98940 sq-ft or	2.27 acres
Landscaping Area	16.8%	
	1.58 acres	
Parking Lot	2.26 acres	
Other Asphalt Surface	2.86 acres	
Total	9.43 acres	

Seaton Avenue/Perry Street Industrial Project
Vehicle Trip Allocation to Buildings (proportional to the relative size of buildings)

2022

Building	Building Size Total (sq-ft)
Building 1	49,470
Building 2	49,470
Total	98,940

Trip Generation

Trip Generation Rate 4.96 trips/TSF as per Traffic Trip Generation Memorandum

Building	trips/day (Non-PCE)
Building 1	245
Building 2	245
Total	491

Vehicle Fleet Distribution	% Trips
Building 1	50%
Building 2	50%

Vehicle Fleet Mix from Trip Generation Memo

Vehicle Distribution	Daily Trips	Building 1	Building 2	Building 3	Building 4	Building 5
LDA (Passenger Vehicles)	78.60%	386	193	193	0	0
LHDT (2 axle truck)	8.00%	39	20	20	0	0
MHDT(3 axle truck)	3.90%	19	10	10	0	0
HHDT (4+ axle truck)	9.50%	47	23	23	0	0
	100.0%	491	245	245	0	0

Passenger Vehicle Fleet Mix

CaIEEMod Default Mix	% Total	Daily Trips	Building 1	Building 2	Building 3	Building 4	Building 5
LDA	54.50%	238	119	119	0	0	0
LDT1	3.60%	16	8	8	0	0	0
LDT2	18.60%	81	41	41	0	0	0
MDV	11.50%	50	25	25	0	0	0
Total	88.20%	386	193	193	0	0	0

Light Heavy Duty Fleet Mix

CaIEEMod Default Mix	% Total	Daily Trips	% Diesel	Number of Daily Diesel Trips	Number of Diesel Daily Trips Building 1	Building 2
LHDT1	1.50%	31	51.51%	16	8	8
LHDT2	0.40%	8	73.67%	6	3	3
Total	1.90%	39	Total	22	11	11

CaIEEMod Assumption: Passenger Vehicles + Local Trucks: LDA+LDT+MDT+LHDT w/CaIEEMod default trip distances

Fleet Mix	Total Trips	%Total	Daily Trip Rate (Trips/TSF)
LDA	238	56.1%	
LDT1	16	3.7%	
LDT2	81	19.1%	
MDV	50	11.8%	
LHDT1	31	7.3%	
LHDT2	8	1.9%	
Total	425	100.0%	4.30

CaIEEMod Assumption: Haul Trucks: MHDT +HHDT w/ trip distance of 40 miles

Fleet Mix	Total Trips	%Total	Daily Trip Rate (Trips/TSF)	% Diesel	Number of Daily Diesel Trips	Building 1	Building 2	Total
MHDT	19	29.1%		93.20%	18	9	9	18
HHDT	47	70.9%		99.98%	47	23	23	47
Total	66	100.0%	0.66	Total	64	32	32	64

Composite Fleet Mix	Number of Daily Trips	% Total
LDA	238	48.6%
LDT1	16	3.2%
LDT2	81	16.6%
MDV	50	10.2%
LHDT1	31	6.3%
LHDT2	8	1.7%
MHDT	19	3.9%
HHDT	47	9.5%
Total	491	100.0%

Seaton Avenue/Perry Street Industrial Project

Estimate of Construction LSTs

Construction Activity

Construction Activity	Equipment	Number	Area Disturbed per 8 hr Day	Total Area Disturbed per Day
Site Prep	Rubber Tired Dozers	3	0.5	1.5
	Crawler Tractors	4	0.5	2
			Total	3.5
Grading	Excavator	1	0	0
	Grader	1	0.5	0.5
	Rubber Tired Dozers	1	0.5	0.5
	Crawler Tractors	3	0.5	1.5
			Total	2.5

Size of Maximum Daily Disturbed Construction Area:

3.5 acres

Size of Maximum Daily Disturbed Operation Area:

5 acres (actual project area is approximately 9.4 acres)

Source Receptor Area:

24

Distance to Sensitive Receptor

25 meters for PM10 and PM2.5

Distance to Worker Receptor:

25 meters for NO2 and CO

Construction LST

Size (acres)	Distance (m)		CO (lbs/day)	PM10 (lbs/day)	PM2.5 (lbs/day)
	25	NOx (lbs/day)			
2	170	883	7	4	
5	270	1577	13	8	
3.5	220	1230	10	6	

Estimation of Operational LSTs

Size (acres)	Distance (m)		CO (lbs/day)	PM10 (lbs/day)	PM2.5 (lbs/day)
	25	NOx (lbs/day)			
5	270	1577	4	2	

Seaton Avenue/Perry Street Industrial Project

CalEEMod Construction Emission Summary

2022	Maximum Daily Emissions (pounds/day)									
	ROG	NOx	CO	SOx	PM10F	PM10Exh	PM10Total	PM2.5Fug	PM2.5 Exh	PM2.5Total
Site Prep										
Onsite	4.9	53.4	22.5	0.1	5.1	2.3	7.4	2.6	2.1	4.7
Offsite	0.1	0.0	0.7	0.0	0.2	0.0	0.2	0.1	0.0	0.1
Total	5.0	53.4	23.2	0.1	5.3	2.3	7.6	2.7	2.1	4.8
Grading										
Onsite	3.3	36.9	18.0	0.1	1.9	1.5	3.4	0.9	1.3	2.2
Offsite	0.4	13.4	3.6	0.1	2.0	0.2	2.2	0.5	0.1	0.6
Total	3.7	50.3	21.6	0.2	3.9	1.7	5.6	1.4	1.4	2.8
Building Construction										
Onsite	1.7	15.6	16.4	0.0	0.0	0.8	0.8	0.0	0.8	0.8
Offsite	0.8	3.3	7.8	0.0	2.4	0.1	2.5	0.6	0.0	0.6
Total	2.5	18.9	24.2	0.0	2.4	0.9	3.3	0.6	0.8	1.4
Paving										
Onsite	2.1	11.1	14.6	0.0	0.0	0.6	0.6	0.0	0.5	0.5
Offsite	0.1	0.0	0.6	0.0	0.2	0.0	0.2	0.0	0.0	0.0
Total	2.2	11.1	15.2	0.0	0.2	0.6	0.8	0.0	0.5	0.5
Architectural Coating										
Onsite	65.8	1.3	1.8	0.0	0.0	0.1	0.1	0.0	0.1	0.1
Offsite	0.1	0.1	1.2	0.0	0.4	0.0	0.4	0.1	0.0	0.1
Total	65.9	1.4	3.0	0.0	0.4	0.1	0.5	0.1	0.1	0.2
2022 Max Onsite	65.8	53.4	22.5	0.1	5.1	2.3	7.4	2.6	2.1	4.7
2022 Max Total	65.9	53.4	24.2	0.2	5.3	2.3	7.6	2.7	2.1	4.8
Regional Threshold	75	100	550	150			150			55
Exceeds Threshold	NO	NO	NO	NO			NO			NO
LST Threshold		220	1230				10			6
Exceeds LST		NO	NO				NO			NO
Summary-Regional										
	ROG	NOx	CO	SOx	PM10Total	PM2.5 Total				
Site Preparation	5.0	53.4	23.2	0.1	7.6	4.8				
Grading	3.7	50.3	21.6	0.2	5.6	2.8				
Building Construction	2.5	18.9	24.2	0.0	3.3	1.4				
Paving	2.2	11.1	15.2	0.0	0.8	0.5				
Architectural Coating	65.9	1.4	3.0	0.0	0.5	0.2				
Max Daily Total	65.9	53.4	24.2	0.2	7.6	4.8				
Summary-Local										
	NOx	CO	PM10Total	PM2.5 Total						
Site Preparation	53.4	22.5	7.4	4.7						
Grading	36.9	18.0	3.4	2.2						
Building Construction	15.6	16.4	0.8	0.8						
Paving	11.1	14.6	0.6	0.5						
Architectural Coating	1.3	1.8	0.1	0.1						
Max Daily Total	53.4	22.5	7.4	4.7						

Seaton Avenue/Perry Street Industrial Project

Construction Equipment Fuel Usage

Activity	Equipment	Project Number	Project Hours per day	Default Horse-power	Default Load Factor	Days of Construction	Total Horsepower-hours	Fuel Rate (gal/hp-hr)	Fuel Use (gallons)
Site Preparation	Off-Highway Truck	1	6	403	0.38	10	9,188	0.019800	182
	Crawler Tractor	4	8	212	0.43	10	29,171	0.022173	647
	Rubber Tired Dozer	3	8	247	0.4	10	23,712	0.020461	485
Grading	Crawler Tractor	4	8	212	0.43	10	29,171	0.022173	647
	Excavators	1	8	158	0.38	20	9,606	0.019763	190
	Graders	1	8	187	0.41	20	12,267	0.021143	259
	Off-Highway Truck	1	6	403	0.38	20	18,377	0.019800	364
	Rubber Tired Dozers	1	8	247	0.4	20	15,808	0.020461	323
	Crawler Tractor	3	8	212	0.43	20	43,757	0.022173	970
Building Construction	Crane	1	7	231	0.29	160	75,029	0.014896	1,118
	Forklifts	3	8	89	0.2	160	68,352	0.019105	1,306
	Tractors/Loaders/Backhoes	3	7	97	0.37	160	120,590	0.023965	2,890
	Welders	1	8	46	0.45	160	26,496	0.023965	635
	Generator Set	1	8	84	0.74	160	79,565	0.023965	1,907
Paving	Pavers	2	8	130	0.42	15	13,104	0.021525	282
	Paving Equipment	2	8	132	0.36	15	11,405	0.018334	209
	Architectural Coating	2	8	80	0.38	15	7,296	0.019412	142
	Air Compressor	1	6	78	0.48	15	3,370	0.023965	81

Fuel Consumption rates derived from the ARB OFFROAD2017 - Orion Web Database

Total 12,636

Seaton Avenue/Perry Street Industrial Project

Fuel Consumption from Construction Vehicles (Derived from the ARB EMFAC2017 Mobile Source Emission Model)

Emission Factors

Region (County)	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	VMT (miles/day)	Fuel Consumption (1000 gallons/day)	Fuel Rate (miles/gallon)	
RIVERSIDE	2022	MHDT-T6	Aggregated	Aggregated	DSL	740260	66.3	11.2	
RIVERSIDE	2022	HHDT-T7	Aggregated	Aggregated	DSL	1943054	272.1	7.1	
							Average (50%/50%)	9.2	
RIVERSIDE	2022	LDA	Aggregated	Aggregated	GAS	23700815	737	32.1	
RIVERSIDE	2022	LDT1	Aggregated	Aggregated	GAS	2261930	83	27.4	
RIVERSIDE	2022	LDT2	Aggregated	Aggregated	GAS	7165411	278	25.8	
							Average (50%/25%/25%)	29	
RIVERSIDE	2022	MDV	Aggregated	Aggregated	GAS	5597390	273	20.5	
RIVERSIDE	2022	LHDT1	Aggregated	Aggregated	GAS	499086	46	10.8	16.0 Composite for LHDT1
RIVERSIDE	2022	LHDT1	Aggregated	Aggregated	DSL	530195	25	20.9	
RIVERSIDE	2022	LHDT2	Aggregated	Aggregated	GAS	73475	8	9.5	16.6 Composite for LHDT1
RIVERSIDE	2022	LHDT2	Aggregated	Aggregated	DSL	205588	11	19.2	

Vehicle Assumptions (CalEEMod)

Haul trucks represented by HHDT-T7 (heavy -heavy duty haul truck)

MHDT-T6 (medium heavy duty haul truck)

Vendor trucks assumed to be 50% HHDT-T7 and MHDT-T6)

LDA (light duty automobile for worker vehicles)

LDT1 (light duty truck 1 for worker vehicles)

LDT2 (light duty truck 2 for worker vehicles)

Worker vehicles represented as 50% LDT, 25% LHT1, and 25% LDT2

Construction Vehicle Use (Derived from the CalEEMod model output)

Fuel Consumption for Haul Trucks

Construction Activity	No Haul Truck Trips	Trip Length	VMT (miles)	DSL Fuel (gallons)
Site Preparation	0	20	0	0
Grading	2086	20	41720	5842
Building Construction	0	20	0	0
Paving -	0	20	0	0
Architectural Coating	0	20	0	0
Total	2086		41720	5842

Construction Activity	No Vendor Truck Trips/day	Duration (days)	Trip Length (miles)	VMT (miles)	Fuel	Fuel Rate (miles/gallon)	DSL Fuel (gallons)
Site Preparation	0	10	6.9	0	DSL	9.2	0
Grading	0	20	6.9	0	DSL	9.2	0
Building Construction	67	160	6.9	73968	DSL	9.2	8082
Paving	0	15	6.9	0	DSL	9.2	0
Architectural Coating	0	15	6.9	0	DSL	9.2	0
Total							8082

Activity	No Worker Vehicles Trips/day	Duration (days)	Trip Length (miles)	VMT (miles)	Fuel	Fuel Rate (miles/gallon)	Gas Fuel (gallons)
Site Preparation	18	10	14.7	2646	GAS	29	90
Grading	15	20	14.7	4410	GAS	29	150
Building Construction	172	160	14.7	404544	GAS	29	13778
Paving	15	15	14.7	3307.5	GAS	29	113
Architectural Coating	34	15	14.7	7497	GAS	29	255

Summary	Gallons
Total -DSL	13924
Total - GAS	14387
	28311

Seaton Avenue/Perry Street Industrial Project

Estimation of Operational Vehicle Fuel Use

Annual Operational VMT		2784263 miles per year			
Vehicle Class	Fleet Mix	Annual VMT (miles/year)	Fuel Rate (miles/gallon)	Annual Fuel Use (gallons/year)	Fuel
LDA	4660.9%	129,772,468	32.1	4,037,572	GAS
LDT1	6444.6%	179,434,301	27.4	6,554,294	GAS
LDT2	0.0%	-	25.8	-	GAS
MDV	0.0%	-	20.5	-	GAS
LHDT1-DSL	0.0%	-	20.9	-	DSL
LHDT1-GAS	0.0%	-	10.8	-	GAS
LHDT2-DSL	0.0%	-	19.2	-	DSL
LHDT2-GAS	0.0%	-	9.5	-	GAS
MHDT	0.0%	-	11.2	-	DSL
HHDT	0.0%	-	7.1	-	DSL
	11106%	309,206,769		10,591,866	
Fuel-GAS	10,591,866	gallons/year			
FuelTotal-DSL	-	gallons/year			
	10,591,866				
VMT - GAS	309,206,769	miles/year			
VMT - DSL	-	miles/year			
	309,206,769	miles/year			

Seaton Avenue/Perry Street Industrial Project

Vehicle Fuel Usage by Annual VMT

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/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

calendar_y	sub_area	vehicle_cla	fuel	vmt		Diesel	Gasoline	Total	% Diesel	%Gasoline
2022	Riverside (SC)	LDA	Dsl	252078.6	LDA	252079	24106872	24358951	1.03%	98.97%
2022	Riverside (SC)	LDT1	Dsl	564.5508	LDT1	565	2305411	2305975	0.02%	99.98%
2022	Riverside (SC)	LDT2	Dsl	52389.15	LDT2	52389	7271356	7323745	0.72%	99.28%
2022	Riverside (SC)	MDV	Dsl	143624.8	MDV	143625	5532730	5676355	2.53%	97.47%
2022	Riverside (SC)	LHDT1	Dsl	523249.1	LHDT1	523249	489408	1012658	51.67%	48.33%
2022	Riverside (SC)	LHDT2	Dsl	203609.6	LHDT2	203610	72844	276453	73.65%	26.35%
2022	Riverside (SC)	MHDT	Dsl	748561.3	MHDT	748561	55523	804084	93.09%	6.91%
2022	Riverside (SC)	HHDT	Dsl	1988254	HHDT	1988254	471	1988725	99.98%	0.02%
2022	Riverside (SC)	LDA	Gas	24106872						
2022	Riverside (SC)	LDT1	Gas	2305411						
2022	Riverside (SC)	LDT2	Gas	7271356						
2022	Riverside (SC)	MDV	Gas	5532730						
2022	Riverside (SC)	LHDT1	Gas	489408.4						
2022	Riverside (SC)	LHDT2	Gas	72843.78						
2022	Riverside (SC)	MHDT	Gas	55522.82						
2022	Riverside (SC)	HHDT	Gas	470.7573						
				43746946						
		LDA	GAS	24106872					55.7%	
		LDT1	GAS	2305411					5.3%	
		LDT2	GAS	7271356					16.8%	
		MDV	GAS	5532730					12.8%	
		LHDT!	DSL	523249					1.2%	
		LHDT1	GAS	489408					1.1%	
		LHDT2	DSL	203610					0.5%	
		LHDT2	GAS	72844					0.2%	
		MHDT	DSL	748561					1.7%	
		HHDT	DSL	1988254					4.6%	
				43242295					100.0%	

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Summer

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

Seaton Avenue/Perry Street Industrial Project - Construction

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	19.79	1000sqft	0.45	19,790.00	0
Unrefrigerated Warehouse-No Rail	79.15	1000sqft	1.82	79,150.00	0
Other Asphalt Surfaces	3.31	Acre	3.31	144,183.60	0
Parking Lot	2.26	Acre	2.26	98,445.60	0
City Park	1.58	Acre	1.58	68,824.80	0

1.2 Other Project Characteristics

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

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Project schedule calls for an 8-month construction time period

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Use of crawler tractors instead of tractors/loaders/backhoes to accommodate a compressed construction schedule
! offhighway water truck added during grading

Off-road Equipment

Seaton Avenue/Perry Street Industrial Project - Construction - 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 - Use of crawler tractors instead of tractors/loaders/backhoes to accommodate a compressed construction schedule

Grading - Grading requires 37,400 cy cut and 16,540 cy fill with export of 20,860 cy

Vehicle Trips - Construction Only

Consumer Products - Construction Only

Area Coating - Construction Only

Landscape Equipment - Construction Only

Energy Use - Construction Only

Water And Wastewater - Construction Only

Solid Waste - Construction Only

Construction Off-road Equipment Mitigation - Dust mitigation = 74% control with watering with 2.1 hour watering interval as per the Western Regional Air Partnership

Fugitive Dust Handbook (Table 3.7)

https://www.env.nm.gov/wp-content/uploads/sites/2/2017/02/WRAP_FDHandbook_Rev_06.pdf

Trips and VMT - .

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	61	74
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	61	74
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	230.00	160.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConsumerProducts	ROG_EF	1.98E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Summer

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

tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	2.37	0.00
tblEnergyUse	LightingElect	1.17	0.00
tblEnergyUse	NT24E	36.52	0.00
tblEnergyUse	NT24E	0.82	0.00
tblEnergyUse	NT24NG	48.51	0.00
tblEnergyUse	NT24NG	0.03	0.00
tblEnergyUse	T24E	0.95	0.00
tblEnergyUse	T24E	0.33	0.00
tblEnergyUse	T24NG	3.22	0.00
tblEnergyUse	T24NG	1.98	0.00
tblGrading	AcresOfGrading	50.00	20.00
tblGrading	AcresOfGrading	35.00	15.00
tblGrading	MaterialExported	0.00	20,860.00
tblLandscapeEquipment	NumberSummerDays	250	1
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	4.00
tblOffRoadEquipment	PhaseName		Site Preparation
tblOffRoadEquipment	PhaseName		Site Preparation
tblSolidWaste	SolidWasteGenerationRate	0.14	0.00
tblSolidWaste	SolidWasteGenerationRate	18.60	0.00
tblSolidWaste	SolidWasteGenerationRate	74.40	0.00
tblTripsAndVMT	HaulingTripNumber	2,608.00	2,086.00
tblTripsAndVMT	WorkerTripNumber	18.00	15.00
tblVehicleEF	LDA	0.61	0.61
tblVehicleEF	LDA	2.07	2.06

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Summer

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

tblVehicleEF	LDA	259.71	258.05
tblVehicleEF	LDA	53.48	53.14
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.18	0.18
tblVehicleEF	LDA	1.3740e-003	1.3710e-003
tblVehicleEF	LDA	1.8360e-003	1.8330e-003
tblVehicleEF	LDA	1.2660e-003	1.2630e-003
tblVehicleEF	LDA	1.6880e-003	1.6850e-003
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	8.1920e-003	8.1890e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.23	0.23
tblVehicleEF	LDA	0.75	0.75
tblVehicleEF	LDA	1.82	1.82
tblVehicleEF	LDA	282.39	280.58
tblVehicleEF	LDA	53.01	52.67
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.17	0.17
tblVehicleEF	LDA	1.3740e-003	1.3710e-003
tblVehicleEF	LDA	1.8360e-003	1.8330e-003
tblVehicleEF	LDA	1.2660e-003	1.2630e-003

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Summer

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

tblVehicleEF	LDA	1.6880e-003	1.6850e-003
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	9.2580e-003	9.2540e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.18	0.18
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.20	0.20
tblVehicleEF	LDA	0.57	0.57
tblVehicleEF	LDA	2.11	2.10
tblVehicleEF	LDA	253.49	251.86
tblVehicleEF	LDA	53.57	53.22
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.18	0.18
tblVehicleEF	LDA	1.3740e-003	1.3710e-003
tblVehicleEF	LDA	1.8360e-003	1.8330e-003
tblVehicleEF	LDA	1.2660e-003	1.2630e-003
tblVehicleEF	LDA	1.6880e-003	1.6850e-003
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	7.9110e-003	7.9080e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.21	0.21

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Summer

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

tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.23	0.23
tblVehicleEF	LDT1	1.43	1.43
tblVehicleEF	LDT1	2.34	2.33
tblVehicleEF	LDT1	310.06	308.06
tblVehicleEF	LDT1	65.12	64.70
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.28	0.28
tblVehicleEF	LDT1	2.0960e-003	2.0930e-003
tblVehicleEF	LDT1	2.7320e-003	2.7270e-003
tblVehicleEF	LDT1	1.9290e-003	1.9260e-003
tblVehicleEF	LDT1	2.5120e-003	2.5080e-003
tblVehicleEF	LDT1	0.21	0.21
tblVehicleEF	LDT1	0.25	0.25
tblVehicleEF	LDT1	0.14	0.14
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.39	0.39
tblVehicleEF	LDT1	0.21	0.21
tblVehicleEF	LDT1	0.25	0.25
tblVehicleEF	LDT1	0.14	0.14
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.43	0.43
tblVehicleEF	LDT1	1.74	1.74

Seaton Avenue/Perry Street Industrial Project
Data Attachment

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Summer

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

tblVehicleEF	LDT1	2.07	2.07
tblVehicleEF	LDT1	334.19	332.04
tblVehicleEF	LDT1	64.52	64.11
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.27	0.27
tblVehicleEF	LDT1	2.0960e-003	2.0930e-003
tblVehicleEF	LDT1	2.7320e-003	2.7270e-003
tblVehicleEF	LDT1	1.9290e-003	1.9260e-003
tblVehicleEF	LDT1	2.5120e-003	2.5080e-003
tblVehicleEF	LDT1	0.40	0.40
tblVehicleEF	LDT1	0.31	0.31
tblVehicleEF	LDT1	0.27	0.27
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.34	0.34
tblVehicleEF	LDT1	0.40	0.40
tblVehicleEF	LDT1	0.31	0.31
tblVehicleEF	LDT1	0.27	0.27
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.38	0.38
tblVehicleEF	LDT1	1.34	1.34
tblVehicleEF	LDT1	2.39	2.39
tblVehicleEF	LDT1	302.73	300.78
tblVehicleEF	LDT1	65.25	64.83
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.28	0.28
tblVehicleEF	LDT1	2.0960e-003	2.0930e-003
tblVehicleEF	LDT1	2.7320e-003	2.7270e-003

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Summer

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

tblVehicleEF	LDT1	1.9290e-003	1.9260e-003
tblVehicleEF	LDT1	2.5120e-003	2.5080e-003
tblVehicleEF	LDT1	0.17	0.17
tblVehicleEF	LDT1	0.28	0.28
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.41	0.41
tblVehicleEF	LDT1	0.17	0.17
tblVehicleEF	LDT1	0.28	0.28
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.44	0.44
tblVehicleEF	LDT2	0.90	0.90
tblVehicleEF	LDT2	2.64	2.64
tblVehicleEF	LDT2	328.68	326.57
tblVehicleEF	LDT2	69.36	68.91
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.28	0.28
tblVehicleEF	LDT2	1.4270e-003	1.4240e-003
tblVehicleEF	LDT2	1.8750e-003	1.8720e-003
tblVehicleEF	LDT2	1.3130e-003	1.3110e-003
tblVehicleEF	LDT2	1.7240e-003	1.7210e-003
tblVehicleEF	LDT2	0.11	0.11
tblVehicleEF	LDT2	0.13	0.13
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.05

Seaton Avenue/Perry Street Industrial Project
Data Attachment

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Summer

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

tblVehicleEF	LDT2	0.31	0.31
tblVehicleEF	LDT2	0.11	0.11
tblVehicleEF	LDT2	0.13	0.13
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.33	0.33
tblVehicleEF	LDT2	1.10	1.10
tblVehicleEF	LDT2	2.34	2.33
tblVehicleEF	LDT2	351.89	349.63
tblVehicleEF	LDT2	68.74	68.30
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.27	0.27
tblVehicleEF	LDT2	1.4270e-003	1.4240e-003
tblVehicleEF	LDT2	1.8750e-003	1.8720e-003
tblVehicleEF	LDT2	1.3130e-003	1.3110e-003
tblVehicleEF	LDT2	1.7240e-003	1.7210e-003
tblVehicleEF	LDT2	0.21	0.21
tblVehicleEF	LDT2	0.16	0.16
tblVehicleEF	LDT2	0.16	0.16
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.27	0.27
tblVehicleEF	LDT2	0.21	0.21
tblVehicleEF	LDT2	0.16	0.16
tblVehicleEF	LDT2	0.16	0.16
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.29	0.29

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Summer

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

tblVehicleEF	LDT2	0.84	0.84
tblVehicleEF	LDT2	2.71	2.70
tblVehicleEF	LDT2	321.63	319.57
tblVehicleEF	LDT2	69.49	69.04
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.28	0.28
tblVehicleEF	LDT2	1.4270e-003	1.4240e-003
tblVehicleEF	LDT2	1.8750e-003	1.8720e-003
tblVehicleEF	LDT2	1.3130e-003	1.3110e-003
tblVehicleEF	LDT2	1.7240e-003	1.7210e-003
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.31	0.31
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.34	0.34
tblVehicleEF	MDV	1.05	1.05
tblVehicleEF	MDV	3.10	3.10
tblVehicleEF	MDV	410.56	407.96
tblVehicleEF	MDV	86.31	85.75
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.36	0.36
tblVehicleEF	MDV	1.4930e-003	1.4910e-003

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Summer

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

tblVehicleEF	MDV	1.9530e-003	1.9490e-003
tblVehicleEF	MDV	1.3770e-003	1.3750e-003
tblVehicleEF	MDV	1.7960e-003	1.7920e-003
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.41	0.41
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.44	0.44
tblVehicleEF	MDV	1.28	1.28
tblVehicleEF	MDV	2.73	2.73
tblVehicleEF	MDV	435.21	432.45
tblVehicleEF	MDV	85.54	84.99
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.34	0.34
tblVehicleEF	MDV	1.4930e-003	1.4910e-003
tblVehicleEF	MDV	1.9530e-003	1.9490e-003
tblVehicleEF	MDV	1.3770e-003	1.3750e-003
tblVehicleEF	MDV	1.7960e-003	1.7920e-003
tblVehicleEF	MDV	0.25	0.25
tblVehicleEF	MDV	0.19	0.19
tblVehicleEF	MDV	0.20	0.20
tblVehicleEF	MDV	0.02	0.02

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Summer

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

tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.35	0.35
tblVehicleEF	MDV	0.25	0.25
tblVehicleEF	MDV	0.19	0.19
tblVehicleEF	MDV	0.20	0.20
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.39	0.39
tblVehicleEF	MDV	0.98	0.98
tblVehicleEF	MDV	3.17	3.17
tblVehicleEF	MDV	403.17	400.61
tblVehicleEF	MDV	86.46	85.90
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.36	0.36
tblVehicleEF	MDV	1.4930e-003	1.4910e-003
tblVehicleEF	MDV	1.9530e-003	1.9490e-003
tblVehicleEF	MDV	1.3770e-003	1.3750e-003
tblVehicleEF	MDV	1.7960e-003	1.7920e-003
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.42	0.42
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.07	0.07

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Summer

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

tblVehicleEF	MDV	0.46	0.46
tblVehicleEF	MHD	8.7000e-005	8.8000e-005
tblVehicleEF	MHD	8.7000e-005	8.8000e-005
tblVehicleEF	MHD	8.7000e-005	8.8000e-005
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.12	0.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	2.12	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	2.12	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	4,576,437.50	0.00
tblWater	IndoorWaterUseRate	18,303,437.50	0.00
tblWater	OutdoorWaterUseRate	1,882,540.53	0.00

2.0 Emissions Summary

Seaton Avenue/Perry Street Industrial Project - Construction - 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	65.9819	53.4837	24.2054	0.1152	19.8582	2.2700	22.1282	10.1558	2.0884	12.2442	0.0000	11,756.95 72	11,756.95 72	2.1008	1.0116	12,102.74 32
Maximum	65.9819	53.4837	24.2054	0.1152	19.8582	2.2700	22.1282	10.1558	2.0884	12.2442	0.0000	11,756.95 72	11,756.95 72	2.1008	1.0116	12,102.74 32

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	65.9819	53.4837	24.2054	0.1152	5.3120	2.2700	7.5820	2.6800	2.0884	4.7684	0.0000	11,756.95 72	11,756.95 72	2.1008	1.0116	12,102.74 32
Maximum	65.9819	53.4837	24.2054	0.1152	5.3120	2.2700	7.5820	2.6800	2.0884	4.7684	0.0000	11,756.95 72	11,756.95 72	2.1008	1.0116	12,102.74 32

	ROG	NOx	CO	SO2	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	73.25	0.00	65.74	73.61	0.00	61.06	0.00	0.00	0.00	0.00	0.00	0.00

Seaton Avenue/Perry Street Industrial Project - Construction - 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	0.2708	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.2708	1.0000e-004	0.0109	0.0000	0.0000	4.0000e-005	4.0000e-005	0.0000	4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005	0.0000	0.0248

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2708	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.2708	1.0000e-004	0.0109	0.0000	0.0000	4.0000e-005	4.0000e-005	0.0000	4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005	0.0000	0.0248

Seaton Avenue/Perry Street Industrial Project - Construction - 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	Site Preparation	Site Preparation	1/3/2022	1/12/2022	7	10	
2	Grading	Grading	1/13/2022	2/1/2022	7	20	
3	Building Construction	Building Construction	2/2/2022	7/11/2022	7	160	
4	Paving	Paving	7/12/2022	7/26/2022	7	15	
5	Architectural Coating	Architectural Coating	7/27/2022	8/10/2022	7	15	

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 20

Acres of Paving: 5.57

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 148,410; Non-Residential Outdoor: 49,470; Striped Parking Area: 14,558 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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	3	8.00	212	0.43
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Summer

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

Grading	Off-Highway Trucks	1	6.00	402	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	1	7.00	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	7.00	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	6.00	78	0.48
Site Preparation	Off-Highway Trucks	1	6.00	402	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	7	15.00	0.00	2,086.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	172.00	67.00	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	34.00	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

Seaton Avenue/Perry Street Industrial Project - Construction - 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 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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	4.8773	53.4377	22.5369	0.0669		2.2690	2.2690		2.0874	2.0874		6,481.2706	6,481.2706	2.0962		6,533.6750
Total	4.8773	53.4377	22.5369	0.0669	19.6570	2.2690	21.9260	10.1025	2.0874	12.1899		6,481.2706	6,481.2706	2.0962		6,533.6750

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

Seaton Avenue/Perry Street Industrial Project - Construction - 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 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					5.1108	0.0000	5.1108	2.6266	0.0000	2.6266			0.0000			0.0000
Off-Road	4.8773	53.4377	22.5369	0.0669		2.2690	2.2690		2.0874	2.0874	0.0000	6,481.2706	6,481.2706	2.0962		6,533.6750
Total	4.8773	53.4377	22.5369	0.0669	5.1108	2.2690	7.3798	2.6266	2.0874	4.7141	0.0000	6,481.2706	6,481.2706	2.0962		6,533.6750

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

Seaton Avenue/Perry Street Industrial Project - Construction - 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 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					7.2147	0.0000	7.2147	3.4447	0.0000	3.4447			0.0000			0.0000
Off-Road	3.3266	36.8621	18.0224	0.0537		1.4601	1.4601		1.3433	1.3433		5,204.6656	5,204.6656	1.6833		5,246.7480
Total	3.3266	36.8621	18.0224	0.0537	7.2147	1.4601	8.6748	3.4447	1.3433	4.7880		5,204.6656	5,204.6656	1.6833		5,246.7480

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	0.3298	13.3206	2.9622	0.0600	1.8255	0.1548	1.9804	0.5005	0.1481	0.6486		6,397.2607	6,397.2607	0.0865	1.0078	6,699.7321
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	0.3889	13.3589	3.5602	0.0615	1.9932	0.1557	2.1489	0.5450	0.1489	0.6939		6,552.2916	6,552.2916	0.0904	1.0116	6,855.9952

Seaton Avenue/Perry Street Industrial Project - Construction - 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 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					1.8758	0.0000	1.8758	0.8956	0.0000	0.8956			0.0000			0.0000
Off-Road	3.3266	36.8621	18.0224	0.0537		1.4601	1.4601		1.3433	1.3433	0.0000	5,204.6656	5,204.6656	1.6833		5,246.7480
Total	3.3266	36.8621	18.0224	0.0537	1.8758	1.4601	3.3359	0.8956	1.3433	2.2389	0.0000	5,204.6656	5,204.6656	1.6833		5,246.7480

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	0.3298	13.3206	2.9622	0.0600	1.8255	0.1548	1.9804	0.5005	0.1481	0.6486		6,397.2607	6,397.2607	0.0865	1.0078	6,699.7321
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	0.3889	13.3589	3.5602	0.0615	1.9932	0.1557	2.1489	0.5450	0.1489	0.6939		6,552.2916	6,552.2916	0.0904	1.0116	6,855.9952

Seaton Avenue/Perry Street Industrial Project - Construction - 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 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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

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	0.1090	2.8332	0.9851	0.0122	0.4291	0.0409	0.4700	0.1236	0.0391	0.1626		1,292.7338	1,292.7338	0.0137	0.1917	1,350.2044
Worker	0.6778	0.4393	6.8569	0.0175	1.9226	9.5800e-003	1.9321	0.5099	8.8200e-003	0.5187		1,777.6873	1,777.6873	0.0440	0.0437	1,791.8175
Total	0.7869	3.2724	7.8420	0.0297	2.3517	0.0504	2.4021	0.6334	0.0479	0.6813		3,070.4210	3,070.4210	0.0577	0.2354	3,142.0219

Seaton Avenue/Perry Street Industrial Project - Construction - 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 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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

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	0.1090	2.8332	0.9851	0.0122	0.4291	0.0409	0.4700	0.1236	0.0391	0.1626		1,292.7338	1,292.7338	0.0137	0.1917	1,350.2044
Worker	0.6778	0.4393	6.8569	0.0175	1.9226	9.5800e-003	1.9321	0.5099	8.8200e-003	0.5187		1,777.6873	1,777.6873	0.0440	0.0437	1,791.8175
Total	0.7869	3.2724	7.8420	0.0297	2.3517	0.0504	2.4021	0.6334	0.0479	0.6813		3,070.4210	3,070.4210	0.0577	0.2354	3,142.0219

Seaton Avenue/Perry Street Industrial Project - Construction - 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 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.660 3	2,207.660 3	0.7140		2,225.510 4
Paving	0.9729					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.0757	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.660 3	2,207.660 3	0.7140		2,225.510 4

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	0.0591	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	0.0591	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

Seaton Avenue/Perry Street Industrial Project - Construction - 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 Paving - 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	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.660 3	2,207.660 3	0.7140		2,225.510 4
Paving	0.9729					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.0757	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.660 3	2,207.660 3	0.7140		2,225.510 4

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	0.0591	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	0.0591	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

Seaton Avenue/Perry Street Industrial Project - Construction - 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 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	65.6433					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	65.8479	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

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	0.1340	0.0868	1.3554	3.4500e-003	0.3800	1.8900e-003	0.3819	0.1008	1.7400e-003	0.1025		351.4033	351.4033	8.7000e-003	8.6400e-003	354.1965
Total	0.1340	0.0868	1.3554	3.4500e-003	0.3800	1.8900e-003	0.3819	0.1008	1.7400e-003	0.1025		351.4033	351.4033	8.7000e-003	8.6400e-003	354.1965

Seaton Avenue/Perry Street Industrial Project - Construction - 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 Architectural Coating - 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					
Archit. Coating	65.6433					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	65.8479	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

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	0.1340	0.0868	1.3554	3.4500e-003	0.3800	1.8900e-003	0.3819	0.1008	1.7400e-003	0.1025		351.4033	351.4033	8.7000e-003	8.6400e-003	354.1965
Total	0.1340	0.0868	1.3554	3.4500e-003	0.3800	1.8900e-003	0.3819	0.1008	1.7400e-003	0.1025		351.4033	351.4033	8.7000e-003	8.6400e-003	354.1965

Seaton Avenue/Perry Street Industrial Project - Construction - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

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

4.3 Trip Type Information

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

Seaton Avenue/Perry Street Industrial Project - Construction - 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
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated 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	0.531022	0.055789	0.171983	0.143721	0.027315	0.007422	0.011813	0.018850	0.000630	0.000321	0.024273	0.001102	0.005759
Other Asphalt Surfaces	0.531022	0.055789	0.171983	0.143721	0.027315	0.007422	0.011813	0.018850	0.000630	0.000321	0.024273	0.001102	0.005759
Parking Lot	0.531022	0.055789	0.171983	0.143721	0.027315	0.007422	0.011813	0.018850	0.000630	0.000321	0.024273	0.001102	0.005759
Refrigerated Warehouse-No Rail	0.531022	0.055789	0.171983	0.143721	0.027315	0.007422	0.011813	0.018850	0.000630	0.000321	0.024273	0.001102	0.005759
Unrefrigerated Warehouse-No Rail	0.531022	0.055789	0.171983	0.143721	0.027315	0.007422	0.011813	0.018850	0.000630	0.000321	0.024273	0.001102	0.005759

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Seaton Avenue/Perry Street Industrial Project - Construction - 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					
Natural Gas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Natural Gas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - Natural Gas

Unmitigated

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

Seaton Avenue/Perry Street Industrial Project - Construction - 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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Seaton Avenue/Perry Street Industrial Project - Construction - 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	0.2708	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248
Unmitigated	0.2708	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248

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	0.2698					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0100e-003	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248
Total	0.2708	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248

Seaton Avenue/Perry Street Industrial Project - Construction - 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	0.2698					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0100e-003	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248
Total	0.2708	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248

7.0 Water Detail

7.1 Mitigation Measures Water

Seaton Avenue/Perry Street Industrial Project - Construction - 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
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

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

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Winter

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

Seaton Avenue/Perry Street Industrial Project - Construction

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	19.79	1000sqft	0.45	19,790.00	0
Unrefrigerated Warehouse-No Rail	79.15	1000sqft	1.82	79,150.00	0
Other Asphalt Surfaces	3.31	Acre	3.31	144,183.60	0
Parking Lot	2.26	Acre	2.26	98,445.60	0
City Park	1.58	Acre	1.58	68,824.80	0

1.2 Other Project Characteristics

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

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Project schedule calls for an 8-month construction time period

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Use of crawler tractors instead of tractors/loaders/backhoes to accommodate a compressed construction schedule
! offhighway water truck added during grading

Off-road Equipment

Seaton Avenue/Perry Street Industrial Project - Construction - 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 - Use of crawler tractors instead of tractors/loaders/backhoes to accommodate a compressed construction schedule

Grading - Grading requires 37,400 cy cut and 16,540 cy fill with export of 20,860 cy

Vehicle Trips - Construction Only

Consumer Products - Construction Only

Area Coating - Construction Only

Landscape Equipment - Construction Only

Energy Use - Construction Only

Water And Wastewater - Construction Only

Solid Waste - Construction Only

Construction Off-road Equipment Mitigation - Dust mitigation = 74% control with watering with 2.1 hour watering interval as per the Western Regional Air Partnership

Fugitive Dust Handbook (Table 3.7)

https://www.env.nm.gov/wp-content/uploads/sites/2/2017/02/WRAP_FDHandbook_Rev_06.pdf

Trips and VMT - .

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	61	74
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	61	74
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	230.00	160.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConsumerProducts	ROG_EF	1.98E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Winter

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

tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	2.37	0.00
tblEnergyUse	LightingElect	1.17	0.00
tblEnergyUse	NT24E	36.52	0.00
tblEnergyUse	NT24E	0.82	0.00
tblEnergyUse	NT24NG	48.51	0.00
tblEnergyUse	NT24NG	0.03	0.00
tblEnergyUse	T24E	0.95	0.00
tblEnergyUse	T24E	0.33	0.00
tblEnergyUse	T24NG	3.22	0.00
tblEnergyUse	T24NG	1.98	0.00
tblGrading	AcresOfGrading	50.00	20.00
tblGrading	AcresOfGrading	35.00	15.00
tblGrading	MaterialExported	0.00	20,860.00
tblLandscapeEquipment	NumberSummerDays	250	1
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	4.00
tblOffRoadEquipment	PhaseName		Site Preparation
tblOffRoadEquipment	PhaseName		Site Preparation
tblSolidWaste	SolidWasteGenerationRate	0.14	0.00
tblSolidWaste	SolidWasteGenerationRate	18.60	0.00
tblSolidWaste	SolidWasteGenerationRate	74.40	0.00
tblTripsAndVMT	HaulingTripNumber	2,608.00	2,086.00
tblTripsAndVMT	WorkerTripNumber	18.00	15.00
tblVehicleEF	LDA	0.61	0.61
tblVehicleEF	LDA	2.07	2.06

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Winter

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

tblVehicleEF	LDA	259.71	258.05
tblVehicleEF	LDA	53.48	53.14
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.18	0.18
tblVehicleEF	LDA	1.3740e-003	1.3710e-003
tblVehicleEF	LDA	1.8360e-003	1.8330e-003
tblVehicleEF	LDA	1.2660e-003	1.2630e-003
tblVehicleEF	LDA	1.6880e-003	1.6850e-003
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	8.1920e-003	8.1890e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.23	0.23
tblVehicleEF	LDA	0.75	0.75
tblVehicleEF	LDA	1.82	1.82
tblVehicleEF	LDA	282.39	280.58
tblVehicleEF	LDA	53.01	52.67
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.17	0.17
tblVehicleEF	LDA	1.3740e-003	1.3710e-003
tblVehicleEF	LDA	1.8360e-003	1.8330e-003
tblVehicleEF	LDA	1.2660e-003	1.2630e-003

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Winter

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

tblVehicleEF	LDA	1.6880e-003	1.6850e-003
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	9.2580e-003	9.2540e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.18	0.18
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.20	0.20
tblVehicleEF	LDA	0.57	0.57
tblVehicleEF	LDA	2.11	2.10
tblVehicleEF	LDA	253.49	251.86
tblVehicleEF	LDA	53.57	53.22
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.18	0.18
tblVehicleEF	LDA	1.3740e-003	1.3710e-003
tblVehicleEF	LDA	1.8360e-003	1.8330e-003
tblVehicleEF	LDA	1.2660e-003	1.2630e-003
tblVehicleEF	LDA	1.6880e-003	1.6850e-003
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	7.9110e-003	7.9080e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.21	0.21

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Winter

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

tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.23	0.23
tblVehicleEF	LDT1	1.43	1.43
tblVehicleEF	LDT1	2.34	2.33
tblVehicleEF	LDT1	310.06	308.06
tblVehicleEF	LDT1	65.12	64.70
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.28	0.28
tblVehicleEF	LDT1	2.0960e-003	2.0930e-003
tblVehicleEF	LDT1	2.7320e-003	2.7270e-003
tblVehicleEF	LDT1	1.9290e-003	1.9260e-003
tblVehicleEF	LDT1	2.5120e-003	2.5080e-003
tblVehicleEF	LDT1	0.21	0.21
tblVehicleEF	LDT1	0.25	0.25
tblVehicleEF	LDT1	0.14	0.14
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.39	0.39
tblVehicleEF	LDT1	0.21	0.21
tblVehicleEF	LDT1	0.25	0.25
tblVehicleEF	LDT1	0.14	0.14
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.43	0.43
tblVehicleEF	LDT1	1.74	1.74

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Winter

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

tblVehicleEF	LDT1	2.07	2.07
tblVehicleEF	LDT1	334.19	332.04
tblVehicleEF	LDT1	64.52	64.11
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.27	0.27
tblVehicleEF	LDT1	2.0960e-003	2.0930e-003
tblVehicleEF	LDT1	2.7320e-003	2.7270e-003
tblVehicleEF	LDT1	1.9290e-003	1.9260e-003
tblVehicleEF	LDT1	2.5120e-003	2.5080e-003
tblVehicleEF	LDT1	0.40	0.40
tblVehicleEF	LDT1	0.31	0.31
tblVehicleEF	LDT1	0.27	0.27
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.34	0.34
tblVehicleEF	LDT1	0.40	0.40
tblVehicleEF	LDT1	0.31	0.31
tblVehicleEF	LDT1	0.27	0.27
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.38	0.38
tblVehicleEF	LDT1	1.34	1.34
tblVehicleEF	LDT1	2.39	2.39
tblVehicleEF	LDT1	302.73	300.78
tblVehicleEF	LDT1	65.25	64.83
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.28	0.28
tblVehicleEF	LDT1	2.0960e-003	2.0930e-003
tblVehicleEF	LDT1	2.7320e-003	2.7270e-003

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Winter

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

tblVehicleEF	LDT1	1.9290e-003	1.9260e-003
tblVehicleEF	LDT1	2.5120e-003	2.5080e-003
tblVehicleEF	LDT1	0.17	0.17
tblVehicleEF	LDT1	0.28	0.28
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.41	0.41
tblVehicleEF	LDT1	0.17	0.17
tblVehicleEF	LDT1	0.28	0.28
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.44	0.44
tblVehicleEF	LDT2	0.90	0.90
tblVehicleEF	LDT2	2.64	2.64
tblVehicleEF	LDT2	328.68	326.57
tblVehicleEF	LDT2	69.36	68.91
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.28	0.28
tblVehicleEF	LDT2	1.4270e-003	1.4240e-003
tblVehicleEF	LDT2	1.8750e-003	1.8720e-003
tblVehicleEF	LDT2	1.3130e-003	1.3110e-003
tblVehicleEF	LDT2	1.7240e-003	1.7210e-003
tblVehicleEF	LDT2	0.11	0.11
tblVehicleEF	LDT2	0.13	0.13
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.05

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Winter

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

tblVehicleEF	LDT2	0.31	0.31
tblVehicleEF	LDT2	0.11	0.11
tblVehicleEF	LDT2	0.13	0.13
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.33	0.33
tblVehicleEF	LDT2	1.10	1.10
tblVehicleEF	LDT2	2.34	2.33
tblVehicleEF	LDT2	351.89	349.63
tblVehicleEF	LDT2	68.74	68.30
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.27	0.27
tblVehicleEF	LDT2	1.4270e-003	1.4240e-003
tblVehicleEF	LDT2	1.8750e-003	1.8720e-003
tblVehicleEF	LDT2	1.3130e-003	1.3110e-003
tblVehicleEF	LDT2	1.7240e-003	1.7210e-003
tblVehicleEF	LDT2	0.21	0.21
tblVehicleEF	LDT2	0.16	0.16
tblVehicleEF	LDT2	0.16	0.16
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.27	0.27
tblVehicleEF	LDT2	0.21	0.21
tblVehicleEF	LDT2	0.16	0.16
tblVehicleEF	LDT2	0.16	0.16
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.29	0.29

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Winter

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

tblVehicleEF	LDT2	0.84	0.84
tblVehicleEF	LDT2	2.71	2.70
tblVehicleEF	LDT2	321.63	319.57
tblVehicleEF	LDT2	69.49	69.04
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.28	0.28
tblVehicleEF	LDT2	1.4270e-003	1.4240e-003
tblVehicleEF	LDT2	1.8750e-003	1.8720e-003
tblVehicleEF	LDT2	1.3130e-003	1.3110e-003
tblVehicleEF	LDT2	1.7240e-003	1.7210e-003
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.31	0.31
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.34	0.34
tblVehicleEF	MDV	1.05	1.05
tblVehicleEF	MDV	3.10	3.10
tblVehicleEF	MDV	410.56	407.96
tblVehicleEF	MDV	86.31	85.75
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.36	0.36
tblVehicleEF	MDV	1.4930e-003	1.4910e-003

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Winter

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

tblVehicleEF	MDV	1.9530e-003	1.9490e-003
tblVehicleEF	MDV	1.3770e-003	1.3750e-003
tblVehicleEF	MDV	1.7960e-003	1.7920e-003
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.41	0.41
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.44	0.44
tblVehicleEF	MDV	1.28	1.28
tblVehicleEF	MDV	2.73	2.73
tblVehicleEF	MDV	435.21	432.45
tblVehicleEF	MDV	85.54	84.99
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.34	0.34
tblVehicleEF	MDV	1.4930e-003	1.4910e-003
tblVehicleEF	MDV	1.9530e-003	1.9490e-003
tblVehicleEF	MDV	1.3770e-003	1.3750e-003
tblVehicleEF	MDV	1.7960e-003	1.7920e-003
tblVehicleEF	MDV	0.25	0.25
tblVehicleEF	MDV	0.19	0.19
tblVehicleEF	MDV	0.20	0.20
tblVehicleEF	MDV	0.02	0.02

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Winter

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

tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.35	0.35
tblVehicleEF	MDV	0.25	0.25
tblVehicleEF	MDV	0.19	0.19
tblVehicleEF	MDV	0.20	0.20
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.39	0.39
tblVehicleEF	MDV	0.98	0.98
tblVehicleEF	MDV	3.17	3.17
tblVehicleEF	MDV	403.17	400.61
tblVehicleEF	MDV	86.46	85.90
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.36	0.36
tblVehicleEF	MDV	1.4930e-003	1.4910e-003
tblVehicleEF	MDV	1.9530e-003	1.9490e-003
tblVehicleEF	MDV	1.3770e-003	1.3750e-003
tblVehicleEF	MDV	1.7960e-003	1.7920e-003
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.42	0.42
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.07	0.07

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Winter

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

tblVehicleEF	MDV	0.46	0.46
tblVehicleEF	MHD	8.7000e-005	8.8000e-005
tblVehicleEF	MHD	8.7000e-005	8.8000e-005
tblVehicleEF	MHD	8.7000e-005	8.8000e-005
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.12	0.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	2.12	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	2.12	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	4,576,437.50	0.00
tblWater	IndoorWaterUseRate	18,303,437.50	0.00
tblWater	OutdoorWaterUseRate	1,882,540.53	0.00

2.0 Emissions Summary

Seaton Avenue/Perry Street Industrial Project - Construction - 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	65.9731	53.4854	23.1184	0.1151	19.8582	2.2700	22.1282	10.1558	2.0884	12.2442	0.0000	11,747.23 62	11,747.23 62	2.1008	1.0124	12,093.26 10
Maximum	65.9731	53.4854	23.1184	0.1151	19.8582	2.2700	22.1282	10.1558	2.0884	12.2442	0.0000	11,747.23 62	11,747.23 62	2.1008	1.0124	12,093.26 10

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	65.9731	53.4854	23.1184	0.1151	5.3120	2.2700	7.5820	2.6800	2.0884	4.7684	0.0000	11,747.23 62	11,747.23 62	2.1008	1.0124	12,093.26 10
Maximum	65.9731	53.4854	23.1184	0.1151	5.3120	2.2700	7.5820	2.6800	2.0884	4.7684	0.0000	11,747.23 62	11,747.23 62	2.1008	1.0124	12,093.26 10

	ROG	NOx	CO	SO2	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	73.25	0.00	65.74	73.61	0.00	61.06	0.00	0.00	0.00	0.00	0.00	0.00

Seaton Avenue/Perry Street Industrial Project - Construction - 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	0.2708	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.2708	1.0000e-004	0.0109	0.0000	0.0000	4.0000e-005	4.0000e-005	0.0000	4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005	0.0000	0.0248

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2708	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.2708	1.0000e-004	0.0109	0.0000	0.0000	4.0000e-005	4.0000e-005	0.0000	4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005	0.0000	0.0248

Seaton Avenue/Perry Street Industrial Project - Construction - 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	Site Preparation	Site Preparation	1/3/2022	1/12/2022	7	10	
2	Grading	Grading	1/13/2022	2/1/2022	7	20	
3	Building Construction	Building Construction	2/2/2022	7/11/2022	7	160	
4	Paving	Paving	7/12/2022	7/26/2022	7	15	
5	Architectural Coating	Architectural Coating	7/27/2022	8/10/2022	7	15	

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 20

Acres of Paving: 5.57

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 148,410; Non-Residential Outdoor: 49,470; Striped Parking Area: 14,558 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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	3	8.00	212	0.43
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Winter

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

Grading	Off-Highway Trucks	1	6.00	402	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	1	7.00	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	7.00	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	6.00	78	0.48
Site Preparation	Off-Highway Trucks	1	6.00	402	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	7	15.00	0.00	2,086.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	172.00	67.00	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	34.00	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

Seaton Avenue/Perry Street Industrial Project - Construction - 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 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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	4.8773	53.4377	22.5369	0.0669		2.2690	2.2690		2.0874	2.0874		6,481.2706	6,481.2706	2.0962		6,533.6750
Total	4.8773	53.4377	22.5369	0.0669	19.6570	2.2690	21.9260	10.1025	2.0874	12.1899		6,481.2706	6,481.2706	2.0962		6,533.6750

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

Seaton Avenue/Perry Street Industrial Project - Construction - 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 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					5.1108	0.0000	5.1108	2.6266	0.0000	2.6266			0.0000			0.0000
Off-Road	4.8773	53.4377	22.5369	0.0669		2.2690	2.2690		2.0874	2.0874	0.0000	6,481.2706	6,481.2706	2.0962		6,533.6750
Total	4.8773	53.4377	22.5369	0.0669	5.1108	2.2690	7.3798	2.6266	2.0874	4.7141	0.0000	6,481.2706	6,481.2706	2.0962		6,533.6750

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

Seaton Avenue/Perry Street Industrial Project - Construction - 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 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					7.2147	0.0000	7.2147	3.4447	0.0000	3.4447			0.0000			0.0000
Off-Road	3.3266	36.8621	18.0224	0.0537		1.4601	1.4601		1.3433	1.3433		5,204.6656	5,204.6656	1.6833		5,246.7480
Total	3.3266	36.8621	18.0224	0.0537	7.2147	1.4601	8.6748	3.4447	1.3433	4.7880		5,204.6656	5,204.6656	1.6833		5,246.7480

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	0.3141	14.0502	3.0435	0.0600	1.8255	0.1550	1.9806	0.5005	0.1483	0.6488		6,402.1445	6,402.1445	0.0858	1.0085	6,704.8284
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	0.3693	14.0899	3.5281	0.0614	1.9932	0.1559	2.1491	0.5450	0.1491	0.6940		6,542.5706	6,542.5706	0.0896	1.0124	6,846.5131

Seaton Avenue/Perry Street Industrial Project - Construction - 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 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					1.8758	0.0000	1.8758	0.8956	0.0000	0.8956			0.0000			0.0000
Off-Road	3.3266	36.8621	18.0224	0.0537		1.4601	1.4601		1.3433	1.3433	0.0000	5,204.6656	5,204.6656	1.6833		5,246.7480
Total	3.3266	36.8621	18.0224	0.0537	1.8758	1.4601	3.3359	0.8956	1.3433	2.2389	0.0000	5,204.6656	5,204.6656	1.6833		5,246.7480

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	0.3141	14.0502	3.0435	0.0600	1.8255	0.1550	1.9806	0.5005	0.1483	0.6488		6,402.1445	6,402.1445	0.0858	1.0085	6,704.8284
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	0.3693	14.0899	3.5281	0.0614	1.9932	0.1559	2.1491	0.5450	0.1491	0.6940		6,542.5706	6,542.5706	0.0896	1.0124	6,846.5131

Seaton Avenue/Perry Street Industrial Project - Construction - 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 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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

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	0.1044	2.9848	1.0230	0.0122	0.4291	0.0410	0.4701	0.1236	0.0392	0.1627		1,294.1436	1,294.1436	0.0135	0.1921	1,351.7162
Worker	0.6332	0.4560	5.5571	0.0158	1.9226	9.5800e-003	1.9321	0.5099	8.8200e-003	0.5187		1,610.2190	1,610.2190	0.0437	0.0448	1,624.6506
Total	0.7376	3.4408	6.5800	0.0280	2.3517	0.0505	2.4022	0.6334	0.0480	0.6814		2,904.3626	2,904.3626	0.0572	0.2368	2,976.3668

Seaton Avenue/Perry Street Industrial Project - Construction - 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 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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

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	0.1044	2.9848	1.0230	0.0122	0.4291	0.0410	0.4701	0.1236	0.0392	0.1627		1,294.1436	1,294.1436	0.0135	0.1921	1,351.7162
Worker	0.6332	0.4560	5.5571	0.0158	1.9226	9.5800e-003	1.9321	0.5099	8.8200e-003	0.5187		1,610.2190	1,610.2190	0.0437	0.0448	1,624.6506
Total	0.7376	3.4408	6.5800	0.0280	2.3517	0.0505	2.4022	0.6334	0.0480	0.6814		2,904.3626	2,904.3626	0.0572	0.2368	2,976.3668

Seaton Avenue/Perry Street Industrial Project - Construction - 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 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.660 3	2,207.660 3	0.7140		2,225.510 4
Paving	0.9729					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.0757	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.660 3	2,207.660 3	0.7140		2,225.510 4

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	0.0552	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	0.0552	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

Seaton Avenue/Perry Street Industrial Project - Construction - 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 Paving - 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	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.660 3	2,207.660 3	0.7140		2,225.510 4
Paving	0.9729					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.0757	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.660 3	2,207.660 3	0.7140		2,225.510 4

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	0.0552	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	0.0552	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

Seaton Avenue/Perry Street Industrial Project - Construction - 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 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	65.6433					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	65.8479	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

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	0.1252	0.0901	1.0985	3.1300e-003	0.3800	1.8900e-003	0.3819	0.1008	1.7400e-003	0.1025		318.2991	318.2991	8.6400e-003	8.8500e-003	321.1519
Total	0.1252	0.0901	1.0985	3.1300e-003	0.3800	1.8900e-003	0.3819	0.1008	1.7400e-003	0.1025		318.2991	318.2991	8.6400e-003	8.8500e-003	321.1519

Seaton Avenue/Perry Street Industrial Project - Construction - 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 Architectural Coating - 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					
Archit. Coating	65.6433					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	65.8479	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

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	0.1252	0.0901	1.0985	3.1300e-003	0.3800	1.8900e-003	0.3819	0.1008	1.7400e-003	0.1025		318.2991	318.2991	8.6400e-003	8.8500e-003	321.1519
Total	0.1252	0.0901	1.0985	3.1300e-003	0.3800	1.8900e-003	0.3819	0.1008	1.7400e-003	0.1025		318.2991	318.2991	8.6400e-003	8.8500e-003	321.1519

Seaton Avenue/Perry Street Industrial Project - Construction - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

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

4.3 Trip Type Information

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

Seaton Avenue/Perry Street Industrial Project - Construction - 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
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated 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	0.531022	0.055789	0.171983	0.143721	0.027315	0.007422	0.011813	0.018850	0.000630	0.000321	0.024273	0.001102	0.005759
Other Asphalt Surfaces	0.531022	0.055789	0.171983	0.143721	0.027315	0.007422	0.011813	0.018850	0.000630	0.000321	0.024273	0.001102	0.005759
Parking Lot	0.531022	0.055789	0.171983	0.143721	0.027315	0.007422	0.011813	0.018850	0.000630	0.000321	0.024273	0.001102	0.005759
Refrigerated Warehouse-No Rail	0.531022	0.055789	0.171983	0.143721	0.027315	0.007422	0.011813	0.018850	0.000630	0.000321	0.024273	0.001102	0.005759
Unrefrigerated Warehouse-No Rail	0.531022	0.055789	0.171983	0.143721	0.027315	0.007422	0.011813	0.018850	0.000630	0.000321	0.024273	0.001102	0.005759

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Seaton Avenue/Perry Street Industrial Project - Construction - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Natural Gas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - Natural Gas

Unmitigated

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

Seaton Avenue/Perry Street Industrial Project - Construction - 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 - 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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Seaton Avenue/Perry Street Industrial Project - Construction - 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	0.2708	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248
Unmitigated	0.2708	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248

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	0.2698					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0100e-003	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248
Total	0.2708	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248

Seaton Avenue/Perry Street Industrial Project - Construction - 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	0.2698					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0100e-003	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248
Total	0.2708	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248

7.0 Water Detail

7.1 Mitigation Measures Water

Seaton Avenue/Perry Street Industrial Project - Construction - 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
----------------	--------	-----------	-----------	-------------	-------------	-----------

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Annual

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

Seaton Avenue/Perry Street Industrial Project - Construction

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	19.79	1000sqft	0.45	19,790.00	0
Unrefrigerated Warehouse-No Rail	79.15	1000sqft	1.82	79,150.00	0
Other Asphalt Surfaces	3.31	Acre	3.31	144,183.60	0
Parking Lot	2.26	Acre	2.26	98,445.60	0
City Park	1.58	Acre	1.58	68,824.80	0

1.2 Other Project Characteristics

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

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Project schedule calls for an 8-month construction time period

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Use of crawler tractors instead of tractors/loaders/backhoes to accommodate a compressed construction schedule
! offhighway water truck added during grading

Off-road Equipment

Seaton Avenue/Perry Street Industrial Project - Construction - 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 - Use of crawler tractors instead of tractors/loaders/backhoes to accommodate a compressed construction schedule

Grading - Grading requires 37,400 cy cut and 16,540 cy fill with export of 20,860 cy

Vehicle Trips - Construction Only

Consumer Products - Construction Only

Area Coating - Construction Only

Landscape Equipment - Construction Only

Energy Use - Construction Only

Water And Wastewater - Construction Only

Solid Waste - Construction Only

Construction Off-road Equipment Mitigation - Dust mitigation = 74% control with watering with 2.1 hour watering interval as per the Western Regional Air Partnership

Fugitive Dust Handbook (Table 3.7)

https://www.env.nm.gov/wp-content/uploads/sites/2/2017/02/WRAP_FDHandbook_Rev_06.pdf

Trips and VMT - .

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	61	74
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	61	74
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	230.00	160.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConsumerProducts	ROG_EF	1.98E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Annual

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

tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	2.37	0.00
tblEnergyUse	LightingElect	1.17	0.00
tblEnergyUse	NT24E	36.52	0.00
tblEnergyUse	NT24E	0.82	0.00
tblEnergyUse	NT24NG	48.51	0.00
tblEnergyUse	NT24NG	0.03	0.00
tblEnergyUse	T24E	0.95	0.00
tblEnergyUse	T24E	0.33	0.00
tblEnergyUse	T24NG	3.22	0.00
tblEnergyUse	T24NG	1.98	0.00
tblGrading	AcresOfGrading	50.00	20.00
tblGrading	AcresOfGrading	35.00	15.00
tblGrading	MaterialExported	0.00	20,860.00
tblLandscapeEquipment	NumberSummerDays	250	1
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	4.00
tblOffRoadEquipment	PhaseName		Site Preparation
tblOffRoadEquipment	PhaseName		Site Preparation
tblSolidWaste	SolidWasteGenerationRate	0.14	0.00
tblSolidWaste	SolidWasteGenerationRate	18.60	0.00
tblSolidWaste	SolidWasteGenerationRate	74.40	0.00
tblTripsAndVMT	HaulingTripNumber	2,608.00	2,086.00
tblTripsAndVMT	WorkerTripNumber	18.00	15.00
tblVehicleEF	LDA	0.61	0.61
tblVehicleEF	LDA	2.07	2.06

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Annual

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

tblVehicleEF	LDA	259.71	258.05
tblVehicleEF	LDA	53.48	53.14
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.18	0.18
tblVehicleEF	LDA	1.3740e-003	1.3710e-003
tblVehicleEF	LDA	1.8360e-003	1.8330e-003
tblVehicleEF	LDA	1.2660e-003	1.2630e-003
tblVehicleEF	LDA	1.6880e-003	1.6850e-003
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	8.1920e-003	8.1890e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.23	0.23
tblVehicleEF	LDA	0.75	0.75
tblVehicleEF	LDA	1.82	1.82
tblVehicleEF	LDA	282.39	280.58
tblVehicleEF	LDA	53.01	52.67
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.17	0.17
tblVehicleEF	LDA	1.3740e-003	1.3710e-003
tblVehicleEF	LDA	1.8360e-003	1.8330e-003
tblVehicleEF	LDA	1.2660e-003	1.2630e-003

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Annual

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

tblVehicleEF	LDA	1.6880e-003	1.6850e-003
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	9.2580e-003	9.2540e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.18	0.18
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.20	0.20
tblVehicleEF	LDA	0.57	0.57
tblVehicleEF	LDA	2.11	2.10
tblVehicleEF	LDA	253.49	251.86
tblVehicleEF	LDA	53.57	53.22
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.18	0.18
tblVehicleEF	LDA	1.3740e-003	1.3710e-003
tblVehicleEF	LDA	1.8360e-003	1.8330e-003
tblVehicleEF	LDA	1.2660e-003	1.2630e-003
tblVehicleEF	LDA	1.6880e-003	1.6850e-003
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	7.9110e-003	7.9080e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.21	0.21

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Annual

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

tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.23	0.23
tblVehicleEF	LDT1	1.43	1.43
tblVehicleEF	LDT1	2.34	2.33
tblVehicleEF	LDT1	310.06	308.06
tblVehicleEF	LDT1	65.12	64.70
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.28	0.28
tblVehicleEF	LDT1	2.0960e-003	2.0930e-003
tblVehicleEF	LDT1	2.7320e-003	2.7270e-003
tblVehicleEF	LDT1	1.9290e-003	1.9260e-003
tblVehicleEF	LDT1	2.5120e-003	2.5080e-003
tblVehicleEF	LDT1	0.21	0.21
tblVehicleEF	LDT1	0.25	0.25
tblVehicleEF	LDT1	0.14	0.14
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.39	0.39
tblVehicleEF	LDT1	0.21	0.21
tblVehicleEF	LDT1	0.25	0.25
tblVehicleEF	LDT1	0.14	0.14
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.43	0.43
tblVehicleEF	LDT1	1.74	1.74

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Annual

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

tblVehicleEF	LDT1	2.07	2.07
tblVehicleEF	LDT1	334.19	332.04
tblVehicleEF	LDT1	64.52	64.11
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.27	0.27
tblVehicleEF	LDT1	2.0960e-003	2.0930e-003
tblVehicleEF	LDT1	2.7320e-003	2.7270e-003
tblVehicleEF	LDT1	1.9290e-003	1.9260e-003
tblVehicleEF	LDT1	2.5120e-003	2.5080e-003
tblVehicleEF	LDT1	0.40	0.40
tblVehicleEF	LDT1	0.31	0.31
tblVehicleEF	LDT1	0.27	0.27
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.34	0.34
tblVehicleEF	LDT1	0.40	0.40
tblVehicleEF	LDT1	0.31	0.31
tblVehicleEF	LDT1	0.27	0.27
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.38	0.38
tblVehicleEF	LDT1	1.34	1.34
tblVehicleEF	LDT1	2.39	2.39
tblVehicleEF	LDT1	302.73	300.78
tblVehicleEF	LDT1	65.25	64.83
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.28	0.28
tblVehicleEF	LDT1	2.0960e-003	2.0930e-003
tblVehicleEF	LDT1	2.7320e-003	2.7270e-003

Seaton Avenue/Perry Street Industrial Project
Data Attachment

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Annual

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

tblVehicleEF	LDT1	1.9290e-003	1.9260e-003
tblVehicleEF	LDT1	2.5120e-003	2.5080e-003
tblVehicleEF	LDT1	0.17	0.17
tblVehicleEF	LDT1	0.28	0.28
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.41	0.41
tblVehicleEF	LDT1	0.17	0.17
tblVehicleEF	LDT1	0.28	0.28
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.44	0.44
tblVehicleEF	LDT2	0.90	0.90
tblVehicleEF	LDT2	2.64	2.64
tblVehicleEF	LDT2	328.68	326.57
tblVehicleEF	LDT2	69.36	68.91
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.28	0.28
tblVehicleEF	LDT2	1.4270e-003	1.4240e-003
tblVehicleEF	LDT2	1.8750e-003	1.8720e-003
tblVehicleEF	LDT2	1.3130e-003	1.3110e-003
tblVehicleEF	LDT2	1.7240e-003	1.7210e-003
tblVehicleEF	LDT2	0.11	0.11
tblVehicleEF	LDT2	0.13	0.13
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.05

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Annual

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

tblVehicleEF	LDT2	0.31	0.31
tblVehicleEF	LDT2	0.11	0.11
tblVehicleEF	LDT2	0.13	0.13
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.33	0.33
tblVehicleEF	LDT2	1.10	1.10
tblVehicleEF	LDT2	2.34	2.33
tblVehicleEF	LDT2	351.89	349.63
tblVehicleEF	LDT2	68.74	68.30
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.27	0.27
tblVehicleEF	LDT2	1.4270e-003	1.4240e-003
tblVehicleEF	LDT2	1.8750e-003	1.8720e-003
tblVehicleEF	LDT2	1.3130e-003	1.3110e-003
tblVehicleEF	LDT2	1.7240e-003	1.7210e-003
tblVehicleEF	LDT2	0.21	0.21
tblVehicleEF	LDT2	0.16	0.16
tblVehicleEF	LDT2	0.16	0.16
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.27	0.27
tblVehicleEF	LDT2	0.21	0.21
tblVehicleEF	LDT2	0.16	0.16
tblVehicleEF	LDT2	0.16	0.16
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.29	0.29

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Annual

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

tblVehicleEF	LDT2	0.84	0.84
tblVehicleEF	LDT2	2.71	2.70
tblVehicleEF	LDT2	321.63	319.57
tblVehicleEF	LDT2	69.49	69.04
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.28	0.28
tblVehicleEF	LDT2	1.4270e-003	1.4240e-003
tblVehicleEF	LDT2	1.8750e-003	1.8720e-003
tblVehicleEF	LDT2	1.3130e-003	1.3110e-003
tblVehicleEF	LDT2	1.7240e-003	1.7210e-003
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.31	0.31
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.34	0.34
tblVehicleEF	MDV	1.05	1.05
tblVehicleEF	MDV	3.10	3.10
tblVehicleEF	MDV	410.56	407.96
tblVehicleEF	MDV	86.31	85.75
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.36	0.36
tblVehicleEF	MDV	1.4930e-003	1.4910e-003

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Annual

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

tblVehicleEF	MDV	1.9530e-003	1.9490e-003
tblVehicleEF	MDV	1.3770e-003	1.3750e-003
tblVehicleEF	MDV	1.7960e-003	1.7920e-003
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.41	0.41
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.44	0.44
tblVehicleEF	MDV	1.28	1.28
tblVehicleEF	MDV	2.73	2.73
tblVehicleEF	MDV	435.21	432.45
tblVehicleEF	MDV	85.54	84.99
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.34	0.34
tblVehicleEF	MDV	1.4930e-003	1.4910e-003
tblVehicleEF	MDV	1.9530e-003	1.9490e-003
tblVehicleEF	MDV	1.3770e-003	1.3750e-003
tblVehicleEF	MDV	1.7960e-003	1.7920e-003
tblVehicleEF	MDV	0.25	0.25
tblVehicleEF	MDV	0.19	0.19
tblVehicleEF	MDV	0.20	0.20
tblVehicleEF	MDV	0.02	0.02

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Annual

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

tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.35	0.35
tblVehicleEF	MDV	0.25	0.25
tblVehicleEF	MDV	0.19	0.19
tblVehicleEF	MDV	0.20	0.20
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.39	0.39
tblVehicleEF	MDV	0.98	0.98
tblVehicleEF	MDV	3.17	3.17
tblVehicleEF	MDV	403.17	400.61
tblVehicleEF	MDV	86.46	85.90
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.36	0.36
tblVehicleEF	MDV	1.4930e-003	1.4910e-003
tblVehicleEF	MDV	1.9530e-003	1.9490e-003
tblVehicleEF	MDV	1.3770e-003	1.3750e-003
tblVehicleEF	MDV	1.7960e-003	1.7920e-003
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.42	0.42
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.07	0.07

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Annual

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

tblVehicleEF	MDV	0.46	0.46
tblVehicleEF	MHD	8.7000e-005	8.8000e-005
tblVehicleEF	MHD	8.7000e-005	8.8000e-005
tblVehicleEF	MHD	8.7000e-005	8.8000e-005
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.12	0.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	2.12	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	2.12	0.00
tblVehicleTrips	WD_TR	1.74	0.00
tblWater	IndoorWaterUseRate	4,576,437.50	0.00
tblWater	IndoorWaterUseRate	18,303,437.50	0.00
tblWater	OutdoorWaterUseRate	1,882,540.53	0.00

2.0 Emissions Summary

Seaton Avenue/Perry Street Industrial Project - Construction - 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	0.7656	2.3965	2.3245	6.1500e-003	0.3802	0.1012	0.4814	0.1416	0.0946	0.2363	0.0000	555.7174	555.7174	0.0793	0.0265	565.6052
Maximum	0.7656	2.3965	2.3245	6.1500e-003	0.3802	0.1012	0.4814	0.1416	0.0946	0.2363	0.0000	555.7174	555.7174	0.0793	0.0265	565.6052

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	0.7656	2.3965	2.3245	6.1500e-003	0.2541	0.1012	0.3552	0.0787	0.0946	0.1734	0.0000	555.7170	555.7170	0.0793	0.0265	565.6049
Maximum	0.7656	2.3965	2.3245	6.1500e-003	0.2541	0.1012	0.3552	0.0787	0.0946	0.1734	0.0000	555.7170	555.7170	0.0793	0.0265	565.6049

	ROG	NOx	CO	SO2	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	33.17	0.00	26.20	44.40	0.00	26.61	0.00	0.00	0.00	0.00	0.00	0.00

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Annual

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-3-2022	4-2-2022	1.4835	1.4835
2	4-3-2022	7-2-2022	0.9728	0.9728
3	7-3-2022	9-30-2022	0.7020	0.7020
		Highest	1.4835	1.4835

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	0.0492	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0492	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005

Seaton Avenue/Perry Street Industrial Project - Construction - 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	0.0492	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0492	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/3/2022	1/12/2022	7	10	
2	Grading	Grading	1/13/2022	2/1/2022	7	20	
3	Building Construction	Building Construction	2/2/2022	7/11/2022	7	160	

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Annual

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

4	Paving	Paving	7/12/2022	7/26/2022	7	15
5	Architectural Coating	Architectural Coating	7/27/2022	8/10/2022	7	15

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 20

Acres of Paving: 5.57

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 148,410; Non-Residential Outdoor: 49,470; Striped Parking Area: 14,558 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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	3	8.00	212	0.43
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Off-Highway Trucks	1	6.00	402	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	1	7.00	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	7.00	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	6.00	78	0.48

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Annual

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

Site Preparation	Off-Highway Trucks	1	6.00	402	0.38
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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	7	15.00	0.00	2,086.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	172.00	67.00	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	34.00	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

3.2 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					0.0983	0.0000	0.0983	0.0505	0.0000	0.0505	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0244	0.2672	0.1127	3.3000e-004		0.0113	0.0113		0.0104	0.0104	0.0000	29.3986	29.3986	9.5100e-003	0.0000	29.6363
Total	0.0244	0.2672	0.1127	3.3000e-004	0.0983	0.0113	0.1096	0.0505	0.0104	0.0610	0.0000	29.3986	29.3986	9.5100e-003	0.0000	29.6363

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Annual

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

3.2 Site Preparation - 2022

Unmitigated Construction Off-Site

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

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					0.0256	0.0000	0.0256	0.0131	0.0000	0.0131	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0244	0.2672	0.1127	3.3000e-004		0.0113	0.0113		0.0104	0.0104	0.0000	29.3985	29.3985	9.5100e-003	0.0000	29.6362
Total	0.0244	0.2672	0.1127	3.3000e-004	0.0256	0.0113	0.0369	0.0131	0.0104	0.0236	0.0000	29.3985	29.3985	9.5100e-003	0.0000	29.6362

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Annual

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

3.2 Site Preparation - 2022

Mitigated Construction Off-Site

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

3.3 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					0.0722	0.0000	0.0722	0.0345	0.0000	0.0345	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0333	0.3686	0.1802	5.4000e-004		0.0146	0.0146		0.0134	0.0134	0.0000	47.2159	47.2159	0.0153	0.0000	47.5977
Total	0.0333	0.3686	0.1802	5.4000e-004	0.0722	0.0146	0.0868	0.0345	0.0134	0.0479	0.0000	47.2159	47.2159	0.0153	0.0000	47.5977

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Annual

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

3.3 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.2300e-003	0.1405	0.0300	6.0000e-004	0.0180	1.5500e-003	0.0195	4.9400e-003	1.4800e-003	6.4200e-003	0.0000	58.0536	58.0536	7.8000e-004	9.1500e-003	60.7984
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	3.7500e-003	0.1409	0.0351	6.1000e-004	0.0196	1.5600e-003	0.0212	5.3800e-003	1.4900e-003	6.8700e-003	0.0000	59.3573	59.3573	8.1000e-004	9.1900e-003	62.1137

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					0.0188	0.0000	0.0188	8.9600e-003	0.0000	8.9600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0333	0.3686	0.1802	5.4000e-004		0.0146	0.0146		0.0134	0.0134	0.0000	47.2159	47.2159	0.0153	0.0000	47.5976
Total	0.0333	0.3686	0.1802	5.4000e-004	0.0188	0.0146	0.0334	8.9600e-003	0.0134	0.0224	0.0000	47.2159	47.2159	0.0153	0.0000	47.5976

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Annual

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

3.3 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.2300e-003	0.1405	0.0300	6.0000e-004	0.0180	1.5500e-003	0.0195	4.9400e-003	1.4800e-003	6.4200e-003	0.0000	58.0536	58.0536	7.8000e-004	9.1500e-003	60.7984
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	3.7500e-003	0.1409	0.0351	6.1000e-004	0.0196	1.5600e-003	0.0212	5.3800e-003	1.4900e-003	6.8700e-003	0.0000	59.3573	59.3573	8.1000e-004	9.1900e-003	62.1137

3.4 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	0.1365	1.2493	1.3091	2.1500e-003		0.0647	0.0647		0.0609	0.0609	0.0000	185.3802	185.3802	0.0444	0.0000	186.4905
Total	0.1365	1.2493	1.3091	2.1500e-003		0.0647	0.0647		0.0609	0.0609	0.0000	185.3802	185.3802	0.0444	0.0000	186.4905

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Annual

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

3.4 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.5200e-003	0.2379	0.0802	9.8000e-004	0.0339	3.2700e-003	0.0371	9.7700e-003	3.1300e-003	0.0129	0.0000	93.8630	93.8630	9.9000e-004	0.0139	98.0383
Worker	0.0481	0.0375	0.4687	1.3000e-003	0.1512	7.7000e-004	0.1520	0.0402	7.1000e-004	0.0409	0.0000	119.5906	119.5906	3.1900e-003	3.3100e-003	120.6569
Total	0.0566	0.2754	0.5489	2.2800e-003	0.1851	4.0400e-003	0.1891	0.0499	3.8400e-003	0.0538	0.0000	213.4536	213.4536	4.1800e-003	0.0172	218.6952

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	0.1365	1.2493	1.3091	2.1500e-003		0.0647	0.0647		0.0609	0.0609	0.0000	185.3800	185.3800	0.0444	0.0000	186.4903
Total	0.1365	1.2493	1.3091	2.1500e-003		0.0647	0.0647		0.0609	0.0609	0.0000	185.3800	185.3800	0.0444	0.0000	186.4903

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Annual

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

3.4 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.5200e-003	0.2379	0.0802	9.8000e-004	0.0339	3.2700e-003	0.0371	9.7700e-003	3.1300e-003	0.0129	0.0000	93.8630	93.8630	9.9000e-004	0.0139	98.0383
Worker	0.0481	0.0375	0.4687	1.3000e-003	0.1512	7.7000e-004	0.1520	0.0402	7.1000e-004	0.0409	0.0000	119.5906	119.5906	3.1900e-003	3.3100e-003	120.6569
Total	0.0566	0.2754	0.5489	2.2800e-003	0.1851	4.0400e-003	0.1891	0.0499	3.8400e-003	0.0538	0.0000	213.4536	213.4536	4.1800e-003	0.0172	218.6952

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.2700e-003	0.0834	0.1094	1.7000e-004		4.2600e-003	4.2600e-003		3.9200e-003	3.9200e-003	0.0000	15.0207	15.0207	4.8600e-003	0.0000	15.1421
Paving	7.3000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0156	0.0834	0.1094	1.7000e-004		4.2600e-003	4.2600e-003		3.9200e-003	3.9200e-003	0.0000	15.0207	15.0207	4.8600e-003	0.0000	15.1421

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Annual

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

3.5 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9000e-004	3.1000e-004	3.8300e-003	1.0000e-005	1.2400e-003	1.0000e-005	1.2400e-003	3.3000e-004	1.0000e-005	3.3000e-004	0.0000	0.9778	0.9778	3.0000e-005	3.0000e-005	0.9865
Total	3.9000e-004	3.1000e-004	3.8300e-003	1.0000e-005	1.2400e-003	1.0000e-005	1.2400e-003	3.3000e-004	1.0000e-005	3.3000e-004	0.0000	0.9778	0.9778	3.0000e-005	3.0000e-005	0.9865

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	8.2700e-003	0.0834	0.1094	1.7000e-004		4.2600e-003	4.2600e-003		3.9200e-003	3.9200e-003	0.0000	15.0207	15.0207	4.8600e-003	0.0000	15.1421
Paving	7.3000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0156	0.0834	0.1094	1.7000e-004		4.2600e-003	4.2600e-003		3.9200e-003	3.9200e-003	0.0000	15.0207	15.0207	4.8600e-003	0.0000	15.1421

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Annual

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

3.5 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9000e-004	3.1000e-004	3.8300e-003	1.0000e-005	1.2400e-003	1.0000e-005	1.2400e-003	3.3000e-004	1.0000e-005	3.3000e-004	0.0000	0.9778	0.9778	3.0000e-005	3.0000e-005	0.9865
Total	3.9000e-004	3.1000e-004	3.8300e-003	1.0000e-005	1.2400e-003	1.0000e-005	1.2400e-003	3.3000e-004	1.0000e-005	3.3000e-004	0.0000	0.9778	0.9778	3.0000e-005	3.0000e-005	0.9865

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4923					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5300e-003	0.0106	0.0136	2.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	1.9149	1.9149	1.2000e-004	0.0000	1.9181
Total	0.4939	0.0106	0.0136	2.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	1.9149	1.9149	1.2000e-004	0.0000	1.9181

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Annual

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

3.6 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9000e-004	6.9000e-004	8.6900e-003	2.0000e-005	2.8000e-003	1.0000e-005	2.8200e-003	7.4000e-004	1.0000e-005	7.6000e-004	0.0000	2.2163	2.2163	6.0000e-005	6.0000e-005	2.2360
Total	8.9000e-004	6.9000e-004	8.6900e-003	2.0000e-005	2.8000e-003	1.0000e-005	2.8200e-003	7.4000e-004	1.0000e-005	7.6000e-004	0.0000	2.2163	2.2163	6.0000e-005	6.0000e-005	2.2360

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	0.4923					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5300e-003	0.0106	0.0136	2.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	1.9149	1.9149	1.2000e-004	0.0000	1.9181
Total	0.4939	0.0106	0.0136	2.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	1.9149	1.9149	1.2000e-004	0.0000	1.9181

Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Annual

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

3.6 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9000e-004	6.9000e-004	8.6900e-003	2.0000e-005	2.8000e-003	1.0000e-005	2.8200e-003	7.4000e-004	1.0000e-005	7.6000e-004	0.0000	2.2163	2.2163	6.0000e-005	6.0000e-005	2.2360
Total	8.9000e-004	6.9000e-004	8.6900e-003	2.0000e-005	2.8000e-003	1.0000e-005	2.8200e-003	7.4000e-004	1.0000e-005	7.6000e-004	0.0000	2.2163	2.2163	6.0000e-005	6.0000e-005	2.2360

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Seaton Avenue/Perry Street Industrial Project - Construction - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

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

4.3 Trip Type Information

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

Seaton Avenue/Perry Street Industrial Project - Construction - 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	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.531022	0.055789	0.171983	0.143721	0.027315	0.007422	0.011813	0.018850	0.000630	0.000321	0.024273	0.001102	0.005759
Other Asphalt Surfaces	0.531022	0.055789	0.171983	0.143721	0.027315	0.007422	0.011813	0.018850	0.000630	0.000321	0.024273	0.001102	0.005759
Parking Lot	0.531022	0.055789	0.171983	0.143721	0.027315	0.007422	0.011813	0.018850	0.000630	0.000321	0.024273	0.001102	0.005759
Refrigerated Warehouse-No Rail	0.531022	0.055789	0.171983	0.143721	0.027315	0.007422	0.011813	0.018850	0.000630	0.000321	0.024273	0.001102	0.005759
Unrefrigerated Warehouse-No Rail	0.531022	0.055789	0.171983	0.143721	0.027315	0.007422	0.011813	0.018850	0.000630	0.000321	0.024273	0.001102	0.005759

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

Seaton Avenue/Perry Street Industrial Project - Construction - 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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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

Seaton Avenue/Perry Street Industrial Project - Construction - 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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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

Seaton Avenue/Perry Street Industrial Project - Construction - 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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Seaton Avenue/Perry Street Industrial Project - Construction - 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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Seaton Avenue/Perry Street Industrial Project - Construction - 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	0.0492	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
Unmitigated	0.0492	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005

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	0.0492					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
Total	0.0492	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005

Seaton Avenue/Perry Street Industrial Project - Construction - 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	0.0492					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
Total	0.0492	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005

7.0 Water Detail

7.1 Mitigation Measures Water

Seaton Avenue/Perry Street Industrial Project - Construction - 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	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

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

Seaton Avenue/Perry Street Industrial Project - Construction - 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 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Seaton Avenue/Perry Street Industrial Project - Construction - 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	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

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

Seaton Avenue/Perry Street Industrial Project - Construction - 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	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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Seaton Avenue/Perry Street Industrial Project - Construction - Riverside-South Coast County, Annual

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

User Defined Equipment

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

11.0 Vegetation

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks - Riverside-South Coast County, Summer

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

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	19.79	1000sqft	0.45	19,790.00	0
Unrefrigerated Warehouse-No Rail	79.15	1000sqft	1.82	79,150.00	0
Other Asphalt Surfaces	3.31	Acre	3.31	144,183.60	0
Parking Lot	2.26	Acre	2.26	98,445.60	0
City Park	1.58	Acre	1.58	68,824.80	0

1.2 Other Project Characteristics

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

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use -
- Construction Phase - Operations Only
- Off-road Equipment -
- Off-road Equipment - OPerations Only
- Grading - Operations Only

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks - 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 - Trip rate for LDA+LDT+MDT+LHDT

Total trip rate = 4.96 trips/day

LDA+LDT+MDV+LHDT = 86.6% of total trips = 4.295 trips/day

Default trip Lengths

Consumer Products - OPerations Only

Area Coating - OPerations Only

Landscape Equipment - OPerations Only

Energy Use - OPerations Only

Water And Wastewater - Construction Only

Solid Waste - Construction Only

Construction Off-road Equipment Mitigation - Dust mitigation = 74% control with watering with 2 hour watering interval as per the Western Regional Air Partnership

Fugitive Dust Handbook (Table 3.7)

https://www.env.nm.gov/wp-content/uploads/sites/2/2017/02/WRAP_FDHandbook_Rev_06.pdf

Operational Off-Road Equipment - OPeration of 1 forklift per 10,000 sq-ft building using CNG fuel

Fleet Mix - Fleet Mix derived from Traffic Impact Study and CalEEMod fleet mix

Stationary Sources - Emergency Generators and Fire Pumps - Use of one firepump per building

Maintenance Hours limited by SCAQMD Rule 1470

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDA	0.53	0.56
tblFleetMix Seaton Avenue/Perry Street Industrial Project	LDA	0.53	0.56

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT 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	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	0.04
tblFleetMix	LDT1	0.06	0.04
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.19
tblFleetMix	LDT2	0.17	0.19
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.07
tblFleetMix	LHD1	0.03	0.07
tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	LHD2	7.4220e-003	0.02
tblFleetMix	LHD2	7.4220e-003	0.02
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MCY	0.02	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	MDV	0.14	0.00
tblFleetMix	MDV	0.14	0.12

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT 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	MDV	0.14	0.12
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks - Riverside-South Coast County, Summer

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

tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	6.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	10.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.12	4.29
tblVehicleTrips	ST_TR	1.74	4.29
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	2.12	4.29
tblVehicleTrips	SU_TR	1.74	4.29
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	2.12	4.29
tblVehicleTrips	WD_TR	1.74	4.29

2.0 Emissions Summary

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT 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	0.0000	0.0000	0.0000	0.0000	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	lb/day										lb/day					
2022	0.0000	0.0000	0.0000	0.0000	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

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT 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

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.3193	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248
Energy	0.0350	0.3177	0.2669	1.9100e-003		0.0242	0.0242		0.0242	0.0242		381.2500	381.2500	7.3100e-003	6.9900e-003	383.5156
Mobile	0.8244	2.1615	11.7870	0.0381	3.8413	0.0272	3.8685	1.0252	0.0255	1.0507		3,861.2869	3,861.2869	0.0840	0.1285	3,901.6869
Offroad	0.1210	5.8479	70.0596	0.0115		0.1011	0.1011		0.1011	0.1011	0.0000	1,450.2438	1,450.2438	0.4690		1,461.9698
Stationary	0.7450	2.0824	1.8997	3.5800e-003		0.1096	0.1096		0.1096	0.1096		381.1394	381.1394	0.0534		382.4753
Total	4.0446	10.4096	84.0240	0.0550	3.8413	0.2621	4.1034	1.0252	0.2604	1.2856	0.0000	6,073.9434	6,073.9434	0.6139	0.1355	6,129.6724

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT 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	2.3193	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248
Energy	0.0350	0.3177	0.2669	1.9100e-003		0.0242	0.0242		0.0242	0.0242		381.2500	381.2500	7.3100e-003	6.9900e-003	383.5156
Mobile	0.8244	2.1615	11.7870	0.0381	3.8413	0.0272	3.8685	1.0252	0.0255	1.0507		3,861.2869	3,861.2869	0.0840	0.1285	3,901.6869
Offroad	0.1210	5.8479	70.0596	0.0115		0.1011	0.1011		0.1011	0.1011	0.0000	1,450.2438	1,450.2438	0.4690		1,461.9698
Stationary	0.7450	2.0824	1.8997	3.5800e-003		0.1096	0.1096		0.1096	0.1096		381.1394	381.1394	0.0534		382.4753
Total	4.0446	10.4096	84.0240	0.0550	3.8413	0.2621	4.1034	1.0252	0.2604	1.2856	0.0000	6,073.9434	6,073.9434	0.6139	0.1355	6,129.6724

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/3/2022	1/14/2022	5	10	

Acres of Grading (Site Preparation Phase): 0

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks - Riverside-South Coast County, Summer

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: 5.57

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Crawler Tractors	0	8.00	212	0.43
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

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

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT 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 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					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

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT 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 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					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

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT 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	0.8244	2.1615	11.7870	0.0381	3.8413	0.0272	3.8685	1.0252	0.0255	1.0507		3,861.2869	3,861.2869	0.0840	0.1285	3,901.6869
Unmitigated	0.8244	2.1615	11.7870	0.0381	3.8413	0.0272	3.8685	1.0252	0.0255	1.0507		3,861.2869	3,861.2869	0.0840	0.1285	3,901.6869

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		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	84.90	84.90	84.90	363,854	363,854
Unrefrigerated Warehouse-No Rail	339.55	339.55	339.55	1,455,230	1,455,230
Total	424.45	424.45	424.45	1,819,084	1,819,084

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
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT 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
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated 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	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Asphalt Surfaces	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Parking Lot	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Refrigerated Warehouse-No Rail	0.561000	0.037000	0.191000	0.118000	0.073000	0.019000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-No Rail	0.561000	0.037000	0.191000	0.118000	0.073000	0.019000	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

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT 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					
Natural Gas Mitigated	0.0350	0.3177	0.2669	1.9100e-003		0.0242	0.0242		0.0242	0.0242		381.2500	381.2500	7.3100e-003	6.9900e-003	383.5156
Natural Gas Unmitigated	0.0350	0.3177	0.2669	1.9100e-003		0.0242	0.0242		0.0242	0.0242		381.2500	381.2500	7.3100e-003	6.9900e-003	383.5156

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	2804.76	0.0303	0.2750	0.2310	1.6500e-003		0.0209	0.0209		0.0209	0.0209		329.9715	329.9715	6.3200e-003	6.0500e-003	331.9324
Unrefrigerated Warehouse-No Rail	435.867	4.7000e-003	0.0427	0.0359	2.6000e-004		3.2500e-003	3.2500e-003		3.2500e-003	3.2500e-003		51.2785	51.2785	9.8000e-004	9.4000e-004	51.5832
Total		0.0350	0.3177	0.2669	1.9100e-003		0.0242	0.0242		0.0242	0.0242		381.2500	381.2500	7.3000e-003	6.9900e-003	383.5156

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT 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 - 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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	2.80476	0.0303	0.2750	0.2310	1.6500e-003		0.0209	0.0209		0.0209	0.0209		329.9715	329.9715	6.3200e-003	6.0500e-003	331.9324
Unrefrigerated Warehouse-No Rail	0.435867	4.7000e-003	0.0427	0.0359	2.6000e-004		3.2500e-003	3.2500e-003		3.2500e-003	3.2500e-003		51.2785	51.2785	9.8000e-004	9.4000e-004	51.5832
Total		0.0350	0.3177	0.2669	1.9100e-003		0.0242	0.0242		0.0242	0.0242		381.2500	381.2500	7.3000e-003	6.9900e-003	383.5156

6.0 Area Detail

6.1 Mitigation Measures Area

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT 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	2.3193	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248
Unmitigated	2.3193	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248

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	0.2698					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0485					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0100e-003	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248
Total	2.3193	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT 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	0.2698					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0485					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0100e-003	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248
Total	2.3193	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248

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	10	6.00	365	89	0.20	CNG

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT 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	0.1210	5.8479	70.0596	0.0115		0.1011	0.1011		0.1011	0.1011	0.0000	1,450.2438	1,450.2438	0.4690		1,461.9698
Total	0.1210	5.8479	70.0596	0.0115		0.1011	0.1011		0.1011	0.1011	0.0000	1,450.2438	1,450.2438	0.4690		1,461.9698

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Fire Pump	2	1	50	227	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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Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT 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)	0.7450	2.0824	1.8997	3.5800e-003		0.1096	0.1096		0.1096	0.1096		381.1394	381.1394	0.0534		382.4753
Total	0.7450	2.0824	1.8997	3.5800e-003		0.1096	0.1096		0.1096	0.1096		381.1394	381.1394	0.0534		382.4753

11.0 Vegetation

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks - Riverside-South Coast County, Winter

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

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	19.79	1000sqft	0.45	19,790.00	0
Unrefrigerated Warehouse-No Rail	79.15	1000sqft	1.82	79,150.00	0
Other Asphalt Surfaces	3.31	Acre	3.31	144,183.60	0
Parking Lot	2.26	Acre	2.26	98,445.60	0
City Park	1.58	Acre	1.58	68,824.80	0

1.2 Other Project Characteristics

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

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use -
- Construction Phase - Operations Only
- Off-road Equipment -
- Off-road Equipment - OPerations Only
- Grading - Operations Only

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks - 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 - Trip rate for LDA+LDT+MDT+LHDT

Total trip rate = 4.96 trips/day

LDA+LDT+MDV+LHDT = 86.6% of total trips = 4.295 trips/day

Default trip Lengths

Consumer Products - OPerations Only

Area Coating - OPerations Only

Landscape Equipment - OPerations Only

Energy Use - OPerations Only

Water And Wastewater - Construction Only

Solid Waste - Construction Only

Construction Off-road Equipment Mitigation - Dust mitigation = 74% control with watering with 2 hour watering interval as per the Western Regional Air Partnership

Fugitive Dust Handbook (Table 3.7)

https://www.env.nm.gov/wp-content/uploads/sites/2/2017/02/WRAP_FDHandbook_Rev_06.pdf

Operational Off-Road Equipment - OPeration of 1 forklift per 10,000 sq-ft building using CNG fuel

Fleet Mix - Fleet Mix derived from Traffic Impact Study and CalEEMod fleet mix

Stationary Sources - Emergency Generators and Fire Pumps - Use of one firepump per building

Maintenance Hours limited by SCAQMD Rule 1470

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix Seaton Avenue/Perry Street Industrial Project	LDA	0.53	0.56

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDTrucks - Riverside-South Coast County, Winter

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

tblFleetMix	LDA	0.53	0.56
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	0.04
tblFleetMix	LDT1	0.06	0.04
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.19
tblFleetMix	LDT2	0.17	0.19
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.07
tblFleetMix	LHD1	0.03	0.07
tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	LHD2	7.4220e-003	0.02
tblFleetMix	LHD2	7.4220e-003	0.02
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MCY	0.02	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	MDV	0.14	0.00

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT 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	MDV	0.14	0.12
tblFleetMix	MDV	0.14	0.12
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks - Riverside-South Coast County, Winter

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

tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	6.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	10.00
tblVehicleEF	LDA	0.61	0.61
tblVehicleEF	LDA	2.07	2.06
tblVehicleEF	LDA	259.71	258.05
tblVehicleEF	LDA	53.48	53.14
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.18	0.18
tblVehicleEF	LDA	1.3740e-003	1.3710e-003
tblVehicleEF	LDA	1.8360e-003	1.8330e-003
tblVehicleEF	LDA	1.2660e-003	1.2630e-003
tblVehicleEF	LDA	1.6880e-003	1.6850e-003
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	8.1920e-003	8.1890e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.23	0.23
tblVehicleEF	LDA	0.75	0.75
tblVehicleEF	LDA	1.82	1.82
tblVehicleEF	LDA	282.39	280.58

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDTrucks - Riverside-South Coast County, Winter

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

tblVehicleEF	LDA	53.01	52.67
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.17	0.17
tblVehicleEF	LDA	1.3740e-003	1.3710e-003
tblVehicleEF	LDA	1.8360e-003	1.8330e-003
tblVehicleEF	LDA	1.2660e-003	1.2630e-003
tblVehicleEF	LDA	1.6880e-003	1.6850e-003
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	9.2580e-003	9.2540e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.18	0.18
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.20	0.20
tblVehicleEF	LDA	0.57	0.57
tblVehicleEF	LDA	2.11	2.10
tblVehicleEF	LDA	253.49	251.86
tblVehicleEF	LDA	53.57	53.22
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.18	0.18
tblVehicleEF	LDA	1.3740e-003	1.3710e-003
tblVehicleEF	LDA	1.8360e-003	1.8330e-003
tblVehicleEF	LDA	1.2660e-003	1.2630e-003
tblVehicleEF	LDA	1.6880e-003	1.6850e-003
tblVehicleEF	LDA	1.6880e-003	1.6850e-003

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDTrucks - Riverside-South Coast County, Winter

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

tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	7.9110e-003	7.9080e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.23	0.23
tblVehicleEF	LDT1	1.43	1.43
tblVehicleEF	LDT1	2.34	2.33
tblVehicleEF	LDT1	310.06	308.06
tblVehicleEF	LDT1	65.12	64.70
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.28	0.28
tblVehicleEF	LDT1	2.0960e-003	2.0930e-003
tblVehicleEF	LDT1	2.7320e-003	2.7270e-003
tblVehicleEF	LDT1	1.9290e-003	1.9260e-003
tblVehicleEF	LDT1	2.5120e-003	2.5080e-003
tblVehicleEF	LDT1	0.21	0.21
tblVehicleEF	LDT1	0.25	0.25
tblVehicleEF	LDT1	0.14	0.14
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.39	0.39
tblVehicleEF	LDT1	0.21	0.21

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDTrucks - Riverside-South Coast County, Winter

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

tblVehicleEF	LDT1	0.25	0.25
tblVehicleEF	LDT1	0.14	0.14
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.43	0.43
tblVehicleEF	LDT1	1.74	1.74
tblVehicleEF	LDT1	2.07	2.07
tblVehicleEF	LDT1	334.19	332.04
tblVehicleEF	LDT1	64.52	64.11
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.27	0.27
tblVehicleEF	LDT1	2.0960e-003	2.0930e-003
tblVehicleEF	LDT1	2.7320e-003	2.7270e-003
tblVehicleEF	LDT1	1.9290e-003	1.9260e-003
tblVehicleEF	LDT1	2.5120e-003	2.5080e-003
tblVehicleEF	LDT1	0.40	0.40
tblVehicleEF	LDT1	0.31	0.31
tblVehicleEF	LDT1	0.27	0.27
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.34	0.34
tblVehicleEF	LDT1	0.40	0.40
tblVehicleEF	LDT1	0.31	0.31
tblVehicleEF	LDT1	0.27	0.27
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.38	0.38
tblVehicleEF	LDT1	1.34	1.34
tblVehicleEF	LDT1	2.39	2.39

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	LDT1	302.73	300.78
tblVehicleEF	LDT1	65.25	64.83
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.28	0.28
tblVehicleEF	LDT1	2.0960e-003	2.0930e-003
tblVehicleEF	LDT1	2.7320e-003	2.7270e-003
tblVehicleEF	LDT1	1.9290e-003	1.9260e-003
tblVehicleEF	LDT1	2.5120e-003	2.5080e-003
tblVehicleEF	LDT1	0.17	0.17
tblVehicleEF	LDT1	0.28	0.28
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.41	0.41
tblVehicleEF	LDT1	0.17	0.17
tblVehicleEF	LDT1	0.28	0.28
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.44	0.44
tblVehicleEF	LDT2	0.90	0.90
tblVehicleEF	LDT2	2.64	2.64
tblVehicleEF	LDT2	328.68	326.57
tblVehicleEF	LDT2	69.36	68.91
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.28	0.28
tblVehicleEF	LDT2	1.4270e-003	1.4240e-003
tblVehicleEF	LDT2	1.8750e-003	1.8720e-003
tblVehicleEF	LDT2	1.3130e-003	1.3110e-003

Seaton Avenue/Perry Street Industrial Project
Data Attachment

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDTrucks - Riverside-South Coast County, Winter

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

tblVehicleEF	LDT2	1.7240e-003	1.7210e-003
tblVehicleEF	LDT2	0.11	0.11
tblVehicleEF	LDT2	0.13	0.13
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.31	0.31
tblVehicleEF	LDT2	0.11	0.11
tblVehicleEF	LDT2	0.13	0.13
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.33	0.33
tblVehicleEF	LDT2	1.10	1.10
tblVehicleEF	LDT2	2.34	2.33
tblVehicleEF	LDT2	351.89	349.63
tblVehicleEF	LDT2	68.74	68.30
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.27	0.27
tblVehicleEF	LDT2	1.4270e-003	1.4240e-003
tblVehicleEF	LDT2	1.8750e-003	1.8720e-003
tblVehicleEF	LDT2	1.3130e-003	1.3110e-003
tblVehicleEF	LDT2	1.7240e-003	1.7210e-003
tblVehicleEF	LDT2	0.21	0.21
tblVehicleEF	LDT2	0.16	0.16
tblVehicleEF	LDT2	0.16	0.16
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.27	0.27

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDTrucks - Riverside-South Coast County, Winter

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

tblVehicleEF	LDT2	0.21	0.21
tblVehicleEF	LDT2	0.16	0.16
tblVehicleEF	LDT2	0.16	0.16
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.29	0.29
tblVehicleEF	LDT2	0.84	0.84
tblVehicleEF	LDT2	2.71	2.70
tblVehicleEF	LDT2	321.63	319.57
tblVehicleEF	LDT2	69.49	69.04
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.28	0.28
tblVehicleEF	LDT2	1.4270e-003	1.4240e-003
tblVehicleEF	LDT2	1.8750e-003	1.8720e-003
tblVehicleEF	LDT2	1.3130e-003	1.3110e-003
tblVehicleEF	LDT2	1.7240e-003	1.7210e-003
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.31	0.31
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.34	0.34
tblVehicleEF	MDV	1.05	1.05

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDTrucks - Riverside-South Coast County, Winter

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

tblVehicleEF	MDV	3.10	3.10
tblVehicleEF	MDV	410.56	407.96
tblVehicleEF	MDV	86.31	85.75
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.36	0.36
tblVehicleEF	MDV	1.4930e-003	1.4910e-003
tblVehicleEF	MDV	1.9530e-003	1.9490e-003
tblVehicleEF	MDV	1.3770e-003	1.3750e-003
tblVehicleEF	MDV	1.7960e-003	1.7920e-003
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.41	0.41
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.44	0.44
tblVehicleEF	MDV	1.28	1.28
tblVehicleEF	MDV	2.73	2.73
tblVehicleEF	MDV	435.21	432.45
tblVehicleEF	MDV	85.54	84.99
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.34	0.34
tblVehicleEF	MDV	1.4930e-003	1.4910e-003
tblVehicleEF	MDV	1.9530e-003	1.9490e-003

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	MDV	1.3770e-003	1.3750e-003
tblVehicleEF	MDV	1.7960e-003	1.7920e-003
tblVehicleEF	MDV	0.25	0.25
tblVehicleEF	MDV	0.19	0.19
tblVehicleEF	MDV	0.20	0.20
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.35	0.35
tblVehicleEF	MDV	0.25	0.25
tblVehicleEF	MDV	0.19	0.19
tblVehicleEF	MDV	0.20	0.20
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.39	0.39
tblVehicleEF	MDV	0.98	0.98
tblVehicleEF	MDV	3.17	3.17
tblVehicleEF	MDV	403.17	400.61
tblVehicleEF	MDV	86.46	85.90
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.36	0.36
tblVehicleEF	MDV	1.4930e-003	1.4910e-003
tblVehicleEF	MDV	1.9530e-003	1.9490e-003
tblVehicleEF	MDV	1.3770e-003	1.3750e-003
tblVehicleEF	MDV	1.7960e-003	1.7920e-003
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.07	0.07

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDTrucks - Riverside-South Coast County, Winter

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

tblVehicleEF	MDV	0.42	0.42
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.46	0.46
tblVehicleEF	MHD	8.7000e-005	8.8000e-005
tblVehicleEF	MHD	8.7000e-005	8.8000e-005
tblVehicleEF	MHD	8.7000e-005	8.8000e-005
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.12	4.29
tblVehicleTrips	ST_TR	1.74	4.29
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	2.12	4.29
tblVehicleTrips	SU_TR	1.74	4.29
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	2.12	4.29
tblVehicleTrips	WD_TR	1.74	4.29

2.0 Emissions Summary

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDTrucks - 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	0.0000	0.0000	0.0000	0.0000	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	lb/day										lb/day					
2022	0.0000	0.0000	0.0000	0.0000	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

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT 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

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.3193	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248
Energy	0.0350	0.3177	0.2669	1.9100e-003		0.0242	0.0242		0.0242	0.0242		381.2500	381.2500	7.3100e-003	6.9900e-003	383.5156
Mobile	0.6864	2.2581	9.8656	0.0352	3.8413	0.0272	3.8685	1.0252	0.0255	1.0507		3,566.9085	3,566.9085	0.0857	0.1308	3,608.0295
Offroad	0.1210	5.8479	70.0596	0.0115		0.1011	0.1011		0.1011	0.1011	0.0000	1,450.2438	1,450.2438	0.4690		1,461.9698
Stationary	0.7450	2.0824	1.8997	3.5800e-003		0.1096	0.1096		0.1096	0.1096		381.1394	381.1394	0.0534		382.4753
Total	3.9066	10.5062	82.1026	0.0521	3.8413	0.2621	4.1034	1.0252	0.2604	1.2856	0.0000	5,779.5650	5,779.5650	0.6155	0.1378	5,836.0150

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDTrucks - 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	2.3193	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248
Energy	0.0350	0.3177	0.2669	1.9100e-003		0.0242	0.0242		0.0242	0.0242		381.2500	381.2500	7.3100e-003	6.9900e-003	383.5156
Mobile	0.6864	2.2581	9.8656	0.0352	3.8413	0.0272	3.8685	1.0252	0.0255	1.0507		3,566.9085	3,566.9085	0.0857	0.1308	3,608.0295
Offroad	0.1210	5.8479	70.0596	0.0115		0.1011	0.1011		0.1011	0.1011	0.0000	1,450.2438	1,450.2438	0.4690		1,461.9698
Stationary	0.7450	2.0824	1.8997	3.5800e-003		0.1096	0.1096		0.1096	0.1096		381.1394	381.1394	0.0534		382.4753
Total	3.9066	10.5062	82.1026	0.0521	3.8413	0.2621	4.1034	1.0252	0.2604	1.2856	0.0000	5,779.5650	5,779.5650	0.6155	0.1378	5,836.0150

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/3/2022	1/2/2022	5	0	

Acres of Grading (Site Preparation Phase): 0
 Seaton Avenue/Perry Street Industrial Project
 Data Attachment

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks - Riverside-South Coast County, Winter

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: 5.57

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Crawler Tractors	0	8.00	212	0.43
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

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

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDTrucks - 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 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	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

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	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

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDTrucks - 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 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	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

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

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDTrucks - 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	0.6864	2.2581	9.8656	0.0352	3.8413	0.0272	3.8685	1.0252	0.0255	1.0507		3,566.9085	3,566.9085	0.0857	0.1308	3,608.0295
Unmitigated	0.6864	2.2581	9.8656	0.0352	3.8413	0.0272	3.8685	1.0252	0.0255	1.0507		3,566.9085	3,566.9085	0.0857	0.1308	3,608.0295

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		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	84.90	84.90	84.90	363,854	363,854
Unrefrigerated Warehouse-No Rail	339.55	339.55	339.55	1,455,230	1,455,230
Total	424.45	424.45	424.45	1,819,084	1,819,084

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
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDTrucks - 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
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated 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	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Asphalt Surfaces	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Parking Lot	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Refrigerated Warehouse-No Rail	0.561000	0.037000	0.191000	0.118000	0.073000	0.019000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-No Rail	0.561000	0.037000	0.191000	0.118000	0.073000	0.019000	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

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT 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	0.0350	0.3177	0.2669	1.9100e-003		0.0242	0.0242		0.0242	0.0242		381.2500	381.2500	7.3100e-003	6.9900e-003	383.5156
NaturalGas Unmitigated	0.0350	0.3177	0.2669	1.9100e-003		0.0242	0.0242		0.0242	0.0242		381.2500	381.2500	7.3100e-003	6.9900e-003	383.5156

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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	2804.76	0.0303	0.2750	0.2310	1.6500e-003		0.0209	0.0209		0.0209	0.0209		329.9715	329.9715	6.3200e-003	6.0500e-003	331.9324
Unrefrigerated Warehouse-No Rail	435.867	4.7000e-003	0.0427	0.0359	2.6000e-004		3.2500e-003	3.2500e-003		3.2500e-003	3.2500e-003		51.2785	51.2785	9.8000e-004	9.4000e-004	51.5832
Total		0.0350	0.3177	0.2669	1.9100e-003		0.0242	0.0242		0.0242	0.0242		381.2500	381.2500	7.3000e-003	6.9900e-003	383.5156

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT 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 - 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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	2.80476	0.0303	0.2750	0.2310	1.6500e-003		0.0209	0.0209		0.0209	0.0209		329.9715	329.9715	6.3200e-003	6.0500e-003	331.9324
Unrefrigerated Warehouse-No Rail	0.435867	4.7000e-003	0.0427	0.0359	2.6000e-004		3.2500e-003	3.2500e-003		3.2500e-003	3.2500e-003		51.2785	51.2785	9.8000e-004	9.4000e-004	51.5832
Total		0.0350	0.3177	0.2669	1.9100e-003		0.0242	0.0242		0.0242	0.0242		381.2500	381.2500	7.3000e-003	6.9900e-003	383.5156

6.0 Area Detail

6.1 Mitigation Measures Area

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDTrucks - 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	2.3193	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248
Unmitigated	2.3193	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248

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	0.2698					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0485					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0100e-003	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248
Total	2.3193	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT 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	0.2698					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0485					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0100e-003	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248
Total	2.3193	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248

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	10	6.00	365	89	0.20	CNG

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT 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	0.1210	5.8479	70.0596	0.0115		0.1011	0.1011		0.1011	0.1011	0.0000	1,450.2438	1,450.2438	0.4690		1,461.9698
Total	0.1210	5.8479	70.0596	0.0115		0.1011	0.1011		0.1011	0.1011	0.0000	1,450.2438	1,450.2438	0.4690		1,461.9698

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Fire Pump	2	1	50	227	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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Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT 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)	0.7450	2.0824	1.8997	3.5800e-003		0.1096	0.1096		0.1096	0.1096		381.1394	381.1394	0.0534		382.4753
Total	0.7450	2.0824	1.8997	3.5800e-003		0.1096	0.1096		0.1096	0.1096		381.1394	381.1394	0.0534		382.4753

11.0 Vegetation

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks - Riverside-South Coast County, Annual

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

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	19.79	1000sqft	0.45	19,790.00	0
Unrefrigerated Warehouse-No Rail	79.15	1000sqft	1.82	79,150.00	0
Other Asphalt Surfaces	3.31	Acre	3.31	144,183.60	0
Parking Lot	2.26	Acre	2.26	98,445.60	0
City Park	1.58	Acre	1.58	68,824.80	0

1.2 Other Project Characteristics

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

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use -
- Construction Phase - Operations Only
- Off-road Equipment -
- Off-road Equipment - OPerations Only
- Grading - Operations Only

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks - 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 - Trip rate for LDA+LDT+MDT+LHDT

Total trip rate = 4.96 trips/day

LDA+LDT+MDV+LHDT = 86.6% of total trips = 4.295 trips/day

Default trip Lengths

Consumer Products - OPerations Only

Area Coating - OPerations Only

Landscape Equipment - OPerations Only

Energy Use - OPerations Only

Water And Wastewater - Construction Only

Solid Waste - Construction Only

Construction Off-road Equipment Mitigation - Dust mitigation = 74% control with watering with 2 hour watering interval as per the Western Regional Air Partnership

Fugitive Dust Handbook (Table 3.7)

https://www.env.nm.gov/wp-content/uploads/sites/2/2017/02/WRAP_FDHandbook_Rev_06.pdf

Operational Off-Road Equipment - OPeration of 1 forklift per 10,000 sq-ft building using CNG fuel

Fleet Mix - Fleet Mix derived from Traffic Impact Study and CalEEMod fleet mix

Stationary Sources - Emergency Generators and Fire Pumps - Use of one firepump per building

Maintenance Hours limited by SCAQMD Rule 1470

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix Seaton Avenue/Perry Street Industrial Project	LDA	0.53	0.56

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT 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	LDA	0.53	0.56
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	0.04
tblFleetMix	LDT1	0.06	0.04
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.19
tblFleetMix	LDT2	0.17	0.19
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.07
tblFleetMix	LHD1	0.03	0.07
tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	LHD2	7.4220e-003	0.02
tblFleetMix	LHD2	7.4220e-003	0.02
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MCY	0.02	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	MDV	0.14	0.00

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT 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	MDV	0.14	0.12
tblFleetMix	MDV	0.14	0.12
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks - Riverside-South Coast County, Annual

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

tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	6.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	10.00
tblVehicleEF	LDA	0.61	0.61
tblVehicleEF	LDA	2.07	2.06
tblVehicleEF	LDA	259.71	258.05
tblVehicleEF	LDA	53.48	53.14
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.18	0.18
tblVehicleEF	LDA	1.3740e-003	1.3710e-003
tblVehicleEF	LDA	1.8360e-003	1.8330e-003
tblVehicleEF	LDA	1.2660e-003	1.2630e-003
tblVehicleEF	LDA	1.6880e-003	1.6850e-003
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	8.1920e-003	8.1890e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.23	0.23
tblVehicleEF	LDA	0.75	0.75
tblVehicleEF	LDA	1.82	1.82
tblVehicleEF	LDA	282.39	280.58

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	LDA	53.01	52.67
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.17	0.17
tblVehicleEF	LDA	1.3740e-003	1.3710e-003
tblVehicleEF	LDA	1.8360e-003	1.8330e-003
tblVehicleEF	LDA	1.2660e-003	1.2630e-003
tblVehicleEF	LDA	1.6880e-003	1.6850e-003
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	9.2580e-003	9.2540e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.18	0.18
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.20	0.20
tblVehicleEF	LDA	0.57	0.57
tblVehicleEF	LDA	2.11	2.10
tblVehicleEF	LDA	253.49	251.86
tblVehicleEF	LDA	53.57	53.22
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.18	0.18
tblVehicleEF	LDA	1.3740e-003	1.3710e-003
tblVehicleEF	LDA	1.8360e-003	1.8330e-003
tblVehicleEF	LDA	1.2660e-003	1.2630e-003
tblVehicleEF	LDA	1.6880e-003	1.6850e-003

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	7.9110e-003	7.9080e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.23	0.23
tblVehicleEF	LDT1	1.43	1.43
tblVehicleEF	LDT1	2.34	2.33
tblVehicleEF	LDT1	310.06	308.06
tblVehicleEF	LDT1	65.12	64.70
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.28	0.28
tblVehicleEF	LDT1	2.0960e-003	2.0930e-003
tblVehicleEF	LDT1	2.7320e-003	2.7270e-003
tblVehicleEF	LDT1	1.9290e-003	1.9260e-003
tblVehicleEF	LDT1	2.5120e-003	2.5080e-003
tblVehicleEF	LDT1	0.21	0.21
tblVehicleEF	LDT1	0.25	0.25
tblVehicleEF	LDT1	0.14	0.14
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.39	0.39
tblVehicleEF	LDT1	0.21	0.21

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	LDT1	0.25	0.25
tblVehicleEF	LDT1	0.14	0.14
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.43	0.43
tblVehicleEF	LDT1	1.74	1.74
tblVehicleEF	LDT1	2.07	2.07
tblVehicleEF	LDT1	334.19	332.04
tblVehicleEF	LDT1	64.52	64.11
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.27	0.27
tblVehicleEF	LDT1	2.0960e-003	2.0930e-003
tblVehicleEF	LDT1	2.7320e-003	2.7270e-003
tblVehicleEF	LDT1	1.9290e-003	1.9260e-003
tblVehicleEF	LDT1	2.5120e-003	2.5080e-003
tblVehicleEF	LDT1	0.40	0.40
tblVehicleEF	LDT1	0.31	0.31
tblVehicleEF	LDT1	0.27	0.27
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.34	0.34
tblVehicleEF	LDT1	0.40	0.40
tblVehicleEF	LDT1	0.31	0.31
tblVehicleEF	LDT1	0.27	0.27
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.38	0.38
tblVehicleEF	LDT1	1.34	1.34
tblVehicleEF	LDT1	2.39	2.39

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	LDT1	302.73	300.78
tblVehicleEF	LDT1	65.25	64.83
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.28	0.28
tblVehicleEF	LDT1	2.0960e-003	2.0930e-003
tblVehicleEF	LDT1	2.7320e-003	2.7270e-003
tblVehicleEF	LDT1	1.9290e-003	1.9260e-003
tblVehicleEF	LDT1	2.5120e-003	2.5080e-003
tblVehicleEF	LDT1	0.17	0.17
tblVehicleEF	LDT1	0.28	0.28
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.41	0.41
tblVehicleEF	LDT1	0.17	0.17
tblVehicleEF	LDT1	0.28	0.28
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.44	0.44
tblVehicleEF	LDT2	0.90	0.90
tblVehicleEF	LDT2	2.64	2.64
tblVehicleEF	LDT2	328.68	326.57
tblVehicleEF	LDT2	69.36	68.91
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.28	0.28
tblVehicleEF	LDT2	1.4270e-003	1.4240e-003
tblVehicleEF	LDT2	1.8750e-003	1.8720e-003
tblVehicleEF	LDT2	1.3130e-003	1.3110e-003

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	LDT2	1.7240e-003	1.7210e-003
tblVehicleEF	LDT2	0.11	0.11
tblVehicleEF	LDT2	0.13	0.13
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.31	0.31
tblVehicleEF	LDT2	0.11	0.11
tblVehicleEF	LDT2	0.13	0.13
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.33	0.33
tblVehicleEF	LDT2	1.10	1.10
tblVehicleEF	LDT2	2.34	2.33
tblVehicleEF	LDT2	351.89	349.63
tblVehicleEF	LDT2	68.74	68.30
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.27	0.27
tblVehicleEF	LDT2	1.4270e-003	1.4240e-003
tblVehicleEF	LDT2	1.8750e-003	1.8720e-003
tblVehicleEF	LDT2	1.3130e-003	1.3110e-003
tblVehicleEF	LDT2	1.7240e-003	1.7210e-003
tblVehicleEF	LDT2	0.21	0.21
tblVehicleEF	LDT2	0.16	0.16
tblVehicleEF	LDT2	0.16	0.16
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.27	0.27

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	LDT2	0.21	0.21
tblVehicleEF	LDT2	0.16	0.16
tblVehicleEF	LDT2	0.16	0.16
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.29	0.29
tblVehicleEF	LDT2	0.84	0.84
tblVehicleEF	LDT2	2.71	2.70
tblVehicleEF	LDT2	321.63	319.57
tblVehicleEF	LDT2	69.49	69.04
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.28	0.28
tblVehicleEF	LDT2	1.4270e-003	1.4240e-003
tblVehicleEF	LDT2	1.8750e-003	1.8720e-003
tblVehicleEF	LDT2	1.3130e-003	1.3110e-003
tblVehicleEF	LDT2	1.7240e-003	1.7210e-003
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.31	0.31
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.34	0.34
tblVehicleEF	MDV	1.05	1.05

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	MDV	3.10	3.10
tblVehicleEF	MDV	410.56	407.96
tblVehicleEF	MDV	86.31	85.75
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.36	0.36
tblVehicleEF	MDV	1.4930e-003	1.4910e-003
tblVehicleEF	MDV	1.9530e-003	1.9490e-003
tblVehicleEF	MDV	1.3770e-003	1.3750e-003
tblVehicleEF	MDV	1.7960e-003	1.7920e-003
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.41	0.41
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.44	0.44
tblVehicleEF	MDV	1.28	1.28
tblVehicleEF	MDV	2.73	2.73
tblVehicleEF	MDV	435.21	432.45
tblVehicleEF	MDV	85.54	84.99
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.34	0.34
tblVehicleEF	MDV	1.4930e-003	1.4910e-003
tblVehicleEF	MDV	1.9530e-003	1.9490e-003

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	MDV	1.3770e-003	1.3750e-003
tblVehicleEF	MDV	1.7960e-003	1.7920e-003
tblVehicleEF	MDV	0.25	0.25
tblVehicleEF	MDV	0.19	0.19
tblVehicleEF	MDV	0.20	0.20
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.35	0.35
tblVehicleEF	MDV	0.25	0.25
tblVehicleEF	MDV	0.19	0.19
tblVehicleEF	MDV	0.20	0.20
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.39	0.39
tblVehicleEF	MDV	0.98	0.98
tblVehicleEF	MDV	3.17	3.17
tblVehicleEF	MDV	403.17	400.61
tblVehicleEF	MDV	86.46	85.90
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.36	0.36
tblVehicleEF	MDV	1.4930e-003	1.4910e-003
tblVehicleEF	MDV	1.9530e-003	1.9490e-003
tblVehicleEF	MDV	1.3770e-003	1.3750e-003
tblVehicleEF	MDV	1.7960e-003	1.7920e-003
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.07	0.07

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	MDV	0.42	0.42
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.46	0.46
tblVehicleEF	MHD	8.7000e-005	8.8000e-005
tblVehicleEF	MHD	8.7000e-005	8.8000e-005
tblVehicleEF	MHD	8.7000e-005	8.8000e-005
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.12	4.29
tblVehicleTrips	ST_TR	1.74	4.29
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	2.12	4.29
tblVehicleTrips	SU_TR	1.74	4.29
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	2.12	4.29
tblVehicleTrips	WD_TR	1.74	4.29

2.0 Emissions Summary

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT 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	0.0000	0.0000	0.0000	0.0000	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					
2022	0.0000	0.0000	0.0000	0.0000	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)
	Seaton Avenue/Perry Street Industrial Project			

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks - 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	0.4232	1.0000e-005	1.3600e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6300e-003	2.6300e-003	1.0000e-005	0.0000	2.8100e-003
Energy	6.3800e-003	0.0580	0.0487	3.5000e-004		4.4100e-003	4.4100e-003		4.4100e-003	4.4100e-003	0.0000	241.6216	241.6216	0.0163	2.9800e-003	242.9176
Mobile	0.1269	0.4170	1.8748	6.5100e-003	0.6876	4.9500e-003	0.6925	0.1838	4.6300e-003	0.1884	0.0000	599.0124	599.0124	0.0141	0.0218	605.8651
Offroad	0.0221	1.0672	12.7859	2.0900e-003		0.0185	0.0185		0.0185	0.0185	0.0000	240.1039	240.1039	0.0777	0.0000	242.0452
Stationary	0.0186	0.0521	0.0475	9.0000e-005		2.7400e-003	2.7400e-003		2.7400e-003	2.7400e-003	0.0000	8.6441	8.6441	1.2100e-003	0.0000	8.6744
Waste						0.0000	0.0000		0.0000	0.0000	18.9066	0.0000	18.9066	1.1174	0.0000	46.8403
Water						0.0000	0.0000		0.0000	0.0000	7.2587	56.5438	63.8025	0.7503	0.0182	87.9787
Total	0.5972	1.5943	14.7582	9.0400e-003	0.6876	0.0306	0.7181	0.1838	0.0302	0.2140	26.1653	1,145.9283	1,172.0937	1.9769	0.0430	1,234.3240

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks - Riverside-South Coast County, Annual

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

2.2 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	0.4232	1.0000e-005	1.3600e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6300e-003	2.6300e-003	1.0000e-005	0.0000	2.8100e-003
Energy	6.3800e-003	0.0580	0.0487	3.5000e-004		4.4100e-003	4.4100e-003		4.4100e-003	4.4100e-003	0.0000	241.6216	241.6216	0.0163	2.9800e-003	242.9176
Mobile	0.1269	0.4170	1.8748	6.5100e-003	0.6876	4.9500e-003	0.6925	0.1838	4.6300e-003	0.1884	0.0000	599.0124	599.0124	0.0141	0.0218	605.8651
Offroad	0.0221	1.0672	12.7859	2.0900e-003		0.0185	0.0185		0.0185	0.0185	0.0000	240.1039	240.1039	0.0777	0.0000	242.0452
Stationary	0.0186	0.0521	0.0475	9.0000e-005		2.7400e-003	2.7400e-003		2.7400e-003	2.7400e-003	0.0000	8.6441	8.6441	1.2100e-003	0.0000	8.6744
Waste						0.0000	0.0000		0.0000	0.0000	18.9066	0.0000	18.9066	1.1174	0.0000	46.8403
Water						0.0000	0.0000		0.0000	0.0000	7.2587	56.5438	63.8025	0.7503	0.0182	87.9787
Total	0.5972	1.5943	14.7582	9.0400e-003	0.6876	0.0306	0.7181	0.1838	0.0302	0.2140	26.1653	1,145.9283	1,172.0937	1.9769	0.0430	1,234.3240

	ROG	NOx	CO	SO2	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

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks - Riverside-South Coast County, Annual

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	Site Preparation	Site Preparation	1/3/2022	1/2/2022	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 5.57

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Crawler Tractors	0	8.00	212	0.43
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

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

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks - Riverside-South Coast County, Annual

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

3.2 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	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

Unmitigated Construction Off-Site

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

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks - Riverside-South Coast County, Annual

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

3.2 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	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

Mitigated Construction Off-Site

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

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT 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	0.1269	0.4170	1.8748	6.5100e-003	0.6876	4.9500e-003	0.6925	0.1838	4.6300e-003	0.1884	0.0000	599.0124	599.0124	0.0141	0.0218	605.8651
Unmitigated	0.1269	0.4170	1.8748	6.5100e-003	0.6876	4.9500e-003	0.6925	0.1838	4.6300e-003	0.1884	0.0000	599.0124	599.0124	0.0141	0.0218	605.8651

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		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	84.90	84.90	84.90	363,854	363,854
Unrefrigerated Warehouse-No Rail	339.55	339.55	339.55	1,455,230	1,455,230
Total	424.45	424.45	424.45	1,819,084	1,819,084

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
Other Asphalt Surfaces	0.00	0.00	6.90	0.00	0.00	0.00	0	0	0

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks - 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
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated 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	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Asphalt Surfaces	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Parking Lot	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Refrigerated Warehouse-No Rail	0.561000	0.037000	0.191000	0.118000	0.073000	0.019000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-No Rail	0.561000	0.037000	0.191000	0.118000	0.073000	0.019000	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

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks - 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	178.5014	178.5014	0.0151	1.8300e-003	179.4223
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	178.5014	178.5014	0.0151	1.8300e-003	179.4223
Natural Gas Mitigated	6.3800e-003	0.0580	0.0487	3.5000e-004		4.4100e-003	4.4100e-003		4.4100e-003	4.4100e-003	0.0000	63.1202	63.1202	1.2100e-003	1.1600e-003	63.4953
Natural Gas Unmitigated	6.3800e-003	0.0580	0.0487	3.5000e-004		4.4100e-003	4.4100e-003		4.4100e-003	4.4100e-003	0.0000	63.1202	63.1202	1.2100e-003	1.1600e-003	63.4953

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks - 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 - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	1.02374e+006	5.5200e-003	0.0502	0.0422	3.0000e-004		3.8100e-003	3.8100e-003		3.8100e-003	3.8100e-003	0.0000	54.6305	54.6305	1.0500e-003	1.0000e-003	54.9551
Unrefrigerated Warehouse-No Rail	159091	8.6000e-004	7.8000e-003	6.5500e-003	5.0000e-005		5.9000e-004	5.9000e-004		5.9000e-004	5.9000e-004	0.0000	8.4897	8.4897	1.6000e-004	1.6000e-004	8.5402
Total		6.3800e-003	0.0580	0.0487	3.5000e-004		4.4000e-003	4.4000e-003		4.4000e-003	4.4000e-003	0.0000	63.1202	63.1202	1.2100e-003	1.1600e-003	63.4953

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks - 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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	1.02374e+006	5.5200e-003	0.0502	0.0422	3.0000e-004		3.8100e-003	3.8100e-003		3.8100e-003	3.8100e-003	0.0000	54.6305	54.6305	1.0500e-003	1.0000e-003	54.9551
Unrefrigerated Warehouse-No Rail	159091	8.6000e-004	7.8000e-003	6.5500e-003	5.0000e-005		5.9000e-004	5.9000e-004		5.9000e-004	5.9000e-004	0.0000	8.4897	8.4897	1.6000e-004	1.6000e-004	8.5402
Total		6.3800e-003	0.0580	0.0487	3.5000e-004		4.4000e-003	4.4000e-003		4.4000e-003	4.4000e-003	0.0000	63.1202	63.1202	1.2100e-003	1.1600e-003	63.4953

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks - 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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	34456	6.1106	5.2000e-004	6.0000e-005	6.1421
Refrigerated Warehouse-No Rail	788434	139.8252	0.0118	1.4300e-003	140.5465
Unrefrigerated Warehouse-No Rail	183628	32.5656	2.7500e-003	3.3000e-004	32.7336
Total		178.5014	0.0151	1.8200e-003	179.4223

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks - 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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	34456	6.1106	5.2000e-004	6.0000e-005	6.1421
Refrigerated Warehouse-No Rail	788434	139.8252	0.0118	1.4300e-003	140.5465
Unrefrigerated Warehouse-No Rail	183628	32.5656	2.7500e-003	3.3000e-004	32.7336
Total		178.5014	0.0151	1.8200e-003	179.4223

6.0 Area Detail

6.1 Mitigation Measures Area

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks - 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	0.4232	1.0000e-005	1.3600e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6300e-003	2.6300e-003	1.0000e-005	0.0000	2.8100e-003
Unmitigated	0.4232	1.0000e-005	1.3600e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6300e-003	2.6300e-003	1.0000e-005	0.0000	2.8100e-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	0.0492					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3739					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.3000e-004	1.0000e-005	1.3600e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6300e-003	2.6300e-003	1.0000e-005	0.0000	2.8100e-003
Total	0.4232	1.0000e-005	1.3600e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6300e-003	2.6300e-003	1.0000e-005	0.0000	2.8100e-003

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks - 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	0.0492					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3739					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.3000e-004	1.0000e-005	1.3600e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6300e-003	2.6300e-003	1.0000e-005	0.0000	2.8100e-003
Total	0.4232	1.0000e-005	1.3600e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6300e-003	2.6300e-003	1.0000e-005	0.0000	2.8100e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks - 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	63.8025	0.7503	0.0182	87.9787
Unmitigated	63.8025	0.7503	0.0182	87.9787

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 1.88254	3.7092	3.1000e-004	4.0000e-005	3.7283
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	4.57644 / 0	12.0199	0.1500	3.6300e-003	16.8518
Unrefrigerated Warehouse-No Rail	18.3034 / 0	48.0734	0.6000	0.0145	67.3986
Total		63.8025	0.7503	0.0182	87.9787

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks - 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 / 1.88254	3.7092	3.1000e-004	4.0000e-005	3.7283
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	4.57644 / 0	12.0199	0.1500	3.6300e-003	16.8518
Unrefrigerated Warehouse-No Rail	18.3034 / 0	48.0734	0.6000	0.0145	67.3986
Total		63.8025	0.7503	0.0182	87.9787

8.0 Waste Detail

8.1 Mitigation Measures Waste

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks - 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	18.9066	1.1174	0.0000	46.8403
Unmitigated	18.9066	1.1174	0.0000	46.8403

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.14	0.0284	1.6800e-003	0.0000	0.0704
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	18.6	3.7756	0.2231	0.0000	9.3540
Unrefrigerated Warehouse-No Rail	74.4	15.1025	0.8925	0.0000	37.4159
Total		18.9066	1.1173	0.0000	46.8403

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks - 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	0.14	0.0284	1.6800e-003	0.0000	0.0704
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	18.6	3.7756	0.2231	0.0000	9.3540
Unrefrigerated Warehouse-No Rail	74.4	15.1025	0.8925	0.0000	37.4159
Total		18.9066	1.1173	0.0000	46.8403

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	10	6.00	365	89	0.20	CNG

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks - Riverside-South Coast County, Annual

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	0.0221	1.0672	12.7859	2.0900e-003		0.0185	0.0185		0.0185	0.0185	0.0000	240.1039	240.1039	0.0777	0.0000	242.0452
Total	0.0221	1.0672	12.7859	2.0900e-003		0.0185	0.0185		0.0185	0.0185	0.0000	240.1039	240.1039	0.0777	0.0000	242.0452

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Fire Pump	2	1	50	227	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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Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT 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)	0.0186	0.0521	0.0475	9.0000e-005		2.7400e-003	2.7400e-003		2.7400e-003	2.7400e-003	0.0000	8.6441	8.6441	1.2100e-003	0.0000	8.6744
Total	0.0186	0.0521	0.0475	9.0000e-005		2.7400e-003	2.7400e-003		2.7400e-003	2.7400e-003	0.0000	8.6441	8.6441	1.2100e-003	0.0000	8.6744

11.0 Vegetation

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

Seaton Avenue/Perry Street Industrial Project - Haul Trucks

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	19.79	1000sqft	0.45	19,790.00	0
Unrefrigerated Warehouse-No Rail	79.15	1000sqft	1.82	79,150.00	0
Other Asphalt Surfaces	3.31	Acre	3.31	144,183.60	0
Parking Lot	2.26	Acre	2.26	98,445.60	0
City Park	1.58	Acre	1.58	68,824.80	0

1.2 Other Project Characteristics

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

1.3 User Entered Comments & Non-Default Data

Project Characteristics -
 Land Use -
 Construction Phase - Operations Only
 Off-road Equipment -
 Off-road Equipment - OPerations Only
 Grading - Grading requires 37,400 cy cut and 16,540 cy fill with export of 20,860 cy

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - 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 - Trip rate for LDA+LDT+MDT+LHDT

Total trip rate = 4.96 trips/day

MHDT+HHDT = 13.4% of total trips = 0.665 trips/day

Trip distance for haul trucks = 40 miles

Consumer Products - Haul Truck OPERations Only

Area Coating - Haul Truck OPERations Only

Landscape Equipment - Haul Truck OPERations Only

Energy Use - Haul Truck OPERations Only

Water And Wastewater - Haul Truck OPERations Only

Solid Waste - Haul Truck OPERations Only

Construction Off-road Equipment Mitigation - Dust mitigation = 74% control with watering with 2 hour watering interval as per the Western Regional Air Partnership

Fugitive Dust Handbook (Table 3.7)

https://www.env.nm.gov/wp-content/uploads/sites/2/2017/02/WRAP_FDHandbook_Rev_06.pdf

Fleet Mix - Fleet Mix derived from Traffic Impact Study and CalEEMod fleet mix

Stationary Sources - Emergency Generators and Fire Pumps - Haul Truck OPERations Only

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	PhaseEndDate	1/14/2022	1/2/2022
tblConsumerProducts	ROG_EF	1.98E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	2.37	0.00
tblEnergyUse	LightingElect	1.17	0.00
tblEnergyUse	NT24E	36.52	0.00
tblEnergyUse	NT24E	0.82	0.00
tblEnergyUse	NT24NG	48.51	0.00

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblEnergyUse	NT24NG	0.03	0.00
tblEnergyUse	T24E	0.95	0.00
tblEnergyUse	T24E	0.33	0.00
tblEnergyUse	T24NG	3.22	0.00
tblEnergyUse	T24NG	1.98	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.71
tblFleetMix	HHD	0.02	0.71
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDA	0.53	0.00
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	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	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	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00

Seaton Avenue/Perry Street Industrial Project - Haul 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	LHD1	0.03	0.00
tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MCY	0.02	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	MDV	0.14	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.29
tblFleetMix	MHD	0.01	0.29
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	OBUS	6.3000e-004	0.00

Seaton Avenue/Perry Street Industrial Project - Haul 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	OBUS	6.3000e-004	0.00
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblLandscapeEquipment	NumberSummerDays	250	1
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblSolidWaste	SolidWasteGenerationRate	0.14	0.00
tblSolidWaste	SolidWasteGenerationRate	18.60	0.00
tblSolidWaste	SolidWasteGenerationRate	74.40	0.00
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	7.94	8.39
tblVehicleEF	HHD	0.25	0.21
tblVehicleEF	HHD	2.7310e-003	2.6410e-003
tblVehicleEF	HHD	1,427.19	1,374.55
tblVehicleEF	HHD	1,313.58	1,256.69
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.22	0.22
tblVehicleEF	HHD	0.21	0.20
tblVehicleEF	HHD	7.34	6.82

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	HHD	2.57	1.92
tblVehicleEF	HHD	2.17	2.40
tblVehicleEF	HHD	3.4450e-003	2.7370e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	3.2960e-003	2.6180e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8960e-003	8.8950e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	2.0000e-006	1.0000e-006
tblVehicleEF	HHD	6.0000e-005	5.3000e-005
tblVehicleEF	HHD	0.57	0.57
tblVehicleEF	HHD	0.04	0.02
tblVehicleEF	HHD	2.3000e-005	2.0000e-005
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0000e-006	1.0000e-006
tblVehicleEF	HHD	6.0000e-005	5.3000e-005
tblVehicleEF	HHD	0.65	0.65
tblVehicleEF	HHD	0.06	0.04
tblVehicleEF	HHD	2.3000e-005	2.0000e-005
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	7.79	8.28
tblVehicleEF	HHD	0.25	0.21
tblVehicleEF	HHD	2.5850e-003	2.5010e-003
tblVehicleEF	HHD	1,418.27	1,357.07
tblVehicleEF	HHD	1,313.58	1,256.69

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.22	0.21
tblVehicleEF	HHD	0.21	0.20
tblVehicleEF	HHD	3.0000e-006	2.0000e-006
tblVehicleEF	HHD	7.07	6.49
tblVehicleEF	HHD	2.42	1.81
tblVehicleEF	HHD	2.17	2.40
tblVehicleEF	HHD	3.0680e-003	2.4170e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	2.9360e-003	2.3130e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8960e-003	8.8950e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	6.7000e-005	5.8000e-005
tblVehicleEF	HHD	0.60	0.60
tblVehicleEF	HHD	0.04	0.02
tblVehicleEF	HHD	2.3000e-005	2.0000e-005
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	6.7000e-005	5.8000e-005
tblVehicleEF	HHD	0.68	0.69
tblVehicleEF	HHD	0.06	0.04
tblVehicleEF	HHD	2.3000e-005	2.0000e-005
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	8.15	8.55
tblVehicleEF	HHD	0.25	0.21

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	HHD	2.7200e-003	2.6330e-003
tblVehicleEF	HHD	1,439.51	1,398.70
tblVehicleEF	HHD	1,313.58	1,256.69
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.23	0.22
tblVehicleEF	HHD	0.21	0.20
tblVehicleEF	HHD	7.71	7.27
tblVehicleEF	HHD	2.55	1.91
tblVehicleEF	HHD	2.17	2.40
tblVehicleEF	HHD	3.9650e-003	3.1780e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	3.7930e-003	3.0400e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8960e-003	8.8950e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	2.0000e-006	1.0000e-006
tblVehicleEF	HHD	6.7000e-005	5.8000e-005
tblVehicleEF	HHD	0.53	0.52
tblVehicleEF	HHD	0.04	0.02
tblVehicleEF	HHD	2.4000e-005	2.1000e-005
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0000e-006	1.0000e-006
tblVehicleEF	HHD	6.7000e-005	5.8000e-005
tblVehicleEF	HHD	0.60	0.60
tblVehicleEF	HHD	0.06	0.04
tblVehicleEF	HHD	2.4000e-005	2.1000e-005

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	LDA	2.1670e-003	1.9160e-003
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.61	0.57
tblVehicleEF	LDA	2.07	2.00
tblVehicleEF	LDA	259.71	250.08
tblVehicleEF	LDA	53.48	51.54
tblVehicleEF	LDA	4.4370e-003	4.1520e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.18	0.17
tblVehicleEF	LDA	1.3740e-003	1.3020e-003
tblVehicleEF	LDA	1.8360e-003	1.7530e-003
tblVehicleEF	LDA	1.2660e-003	1.1990e-003
tblVehicleEF	LDA	1.6880e-003	1.6120e-003
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	8.1920e-003	7.0950e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.21	0.19
tblVehicleEF	LDA	2.5530e-003	2.4740e-003
tblVehicleEF	LDA	5.2600e-004	5.1000e-004
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.23	0.21
tblVehicleEF	LDA	2.4690e-003	2.1830e-003

Seaton Avenue/Perry Street Industrial Project
Data Attachment

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.75	0.70
tblVehicleEF	LDA	1.82	1.77
tblVehicleEF	LDA	282.39	271.87
tblVehicleEF	LDA	53.01	51.08
tblVehicleEF	LDA	4.2270e-003	3.9570e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.17	0.16
tblVehicleEF	LDA	1.3740e-003	1.3020e-003
tblVehicleEF	LDA	1.8360e-003	1.7530e-003
tblVehicleEF	LDA	1.2660e-003	1.1990e-003
tblVehicleEF	LDA	1.6880e-003	1.6120e-003
tblVehicleEF	LDA	0.13	0.12
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	9.2580e-003	8.0120e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.18	0.17
tblVehicleEF	LDA	2.7760e-003	2.6900e-003
tblVehicleEF	LDA	5.2100e-004	5.0600e-004
tblVehicleEF	LDA	0.13	0.12
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.20	0.18
tblVehicleEF	LDA	2.0910e-003	1.8500e-003
tblVehicleEF	LDA	0.05	0.05

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	LDA	0.57	0.54
tblVehicleEF	LDA	2.11	2.04
tblVehicleEF	LDA	253.49	244.11
tblVehicleEF	LDA	53.57	51.61
tblVehicleEF	LDA	4.3050e-003	4.0290e-003
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.18	0.17
tblVehicleEF	LDA	1.3740e-003	1.3020e-003
tblVehicleEF	LDA	1.8360e-003	1.7530e-003
tblVehicleEF	LDA	1.2660e-003	1.1990e-003
tblVehicleEF	LDA	1.6880e-003	1.6120e-003
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	7.9110e-003	6.8540e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.21	0.19
tblVehicleEF	LDA	2.4920e-003	2.4150e-003
tblVehicleEF	LDA	5.2700e-004	5.1100e-004
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.01	9.9630e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.23	0.21
tblVehicleEF	LDT1	6.9370e-003	5.9940e-003
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	1.43	1.27

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	LDT1	2.34	2.24
tblVehicleEF	LDT1	310.06	299.04
tblVehicleEF	LDT1	65.12	62.77
tblVehicleEF	LDT1	9.2710e-003	8.2700e-003
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT1	0.28	0.26
tblVehicleEF	LDT1	2.0960e-003	1.9160e-003
tblVehicleEF	LDT1	2.7320e-003	2.5270e-003
tblVehicleEF	LDT1	1.9290e-003	1.7630e-003
tblVehicleEF	LDT1	2.5120e-003	2.3230e-003
tblVehicleEF	LDT1	0.21	0.19
tblVehicleEF	LDT1	0.25	0.23
tblVehicleEF	LDT1	0.14	0.13
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.39	0.35
tblVehicleEF	LDT1	3.0480e-003	2.9590e-003
tblVehicleEF	LDT1	6.4000e-004	6.2100e-004
tblVehicleEF	LDT1	0.21	0.19
tblVehicleEF	LDT1	0.25	0.23
tblVehicleEF	LDT1	0.14	0.13
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.43	0.39
tblVehicleEF	LDT1	7.8400e-003	6.7740e-003
tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	1.74	1.54
tblVehicleEF	LDT1	2.07	1.99

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	LDT1	334.19	322.22
tblVehicleEF	LDT1	64.52	62.22
tblVehicleEF	LDT1	8.8090e-003	7.8610e-003
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.27	0.25
tblVehicleEF	LDT1	2.0960e-003	1.9160e-003
tblVehicleEF	LDT1	2.7320e-003	2.5270e-003
tblVehicleEF	LDT1	1.9290e-003	1.7630e-003
tblVehicleEF	LDT1	2.5120e-003	2.3230e-003
tblVehicleEF	LDT1	0.40	0.37
tblVehicleEF	LDT1	0.31	0.28
tblVehicleEF	LDT1	0.27	0.25
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.34	0.31
tblVehicleEF	LDT1	3.2860e-003	3.1890e-003
tblVehicleEF	LDT1	6.3400e-004	6.1600e-004
tblVehicleEF	LDT1	0.40	0.37
tblVehicleEF	LDT1	0.31	0.28
tblVehicleEF	LDT1	0.27	0.25
tblVehicleEF	LDT1	0.05	0.04
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.38	0.34
tblVehicleEF	LDT1	6.6720e-003	5.7650e-003
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	1.34	1.19
tblVehicleEF	LDT1	2.39	2.30
tblVehicleEF	LDT1	302.73	292.00

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	LDT1	65.25	62.89
tblVehicleEF	LDT1	9.0390e-003	8.0620e-003
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.28	0.26
tblVehicleEF	LDT1	2.0960e-003	1.9160e-003
tblVehicleEF	LDT1	2.7320e-003	2.5270e-003
tblVehicleEF	LDT1	1.9290e-003	1.7630e-003
tblVehicleEF	LDT1	2.5120e-003	2.3230e-003
tblVehicleEF	LDT1	0.17	0.16
tblVehicleEF	LDT1	0.28	0.25
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.41	0.36
tblVehicleEF	LDT1	2.9760e-003	2.8900e-003
tblVehicleEF	LDT1	6.4200e-004	6.2200e-004
tblVehicleEF	LDT1	0.17	0.16
tblVehicleEF	LDT1	0.28	0.25
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.44	0.40
tblVehicleEF	LDT2	3.7850e-003	3.3780e-003
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.90	0.83
tblVehicleEF	LDT2	2.64	2.54
tblVehicleEF	LDT2	328.68	314.65
tblVehicleEF	LDT2	69.36	66.37

Seaton Avenue/Perry Street Industrial Project
Data Attachment

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	LDT2	6.7960e-003	6.2000e-003
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.08	0.07
tblVehicleEF	LDT2	0.28	0.25
tblVehicleEF	LDT2	1.4270e-003	1.3600e-003
tblVehicleEF	LDT2	1.8750e-003	1.7980e-003
tblVehicleEF	LDT2	1.3130e-003	1.2520e-003
tblVehicleEF	LDT2	1.7240e-003	1.6530e-003
tblVehicleEF	LDT2	0.11	0.10
tblVehicleEF	LDT2	0.13	0.13
tblVehicleEF	LDT2	0.09	0.08
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.31	0.28
tblVehicleEF	LDT2	3.2310e-003	3.1130e-003
tblVehicleEF	LDT2	6.8200e-004	6.5700e-004
tblVehicleEF	LDT2	0.11	0.10
tblVehicleEF	LDT2	0.13	0.13
tblVehicleEF	LDT2	0.09	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.33	0.31
tblVehicleEF	LDT2	4.3030e-003	3.8410e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	1.10	1.02
tblVehicleEF	LDT2	2.34	2.25
tblVehicleEF	LDT2	351.89	336.75
tblVehicleEF	LDT2	68.74	65.79
tblVehicleEF	LDT2	6.4890e-003	5.9220e-003

Seaton Avenue/Perry Street Industrial Project
Data Attachment

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.27	0.25
tblVehicleEF	LDT2	1.4270e-003	1.3600e-003
tblVehicleEF	LDT2	1.8750e-003	1.7980e-003
tblVehicleEF	LDT2	1.3130e-003	1.2520e-003
tblVehicleEF	LDT2	1.7240e-003	1.6530e-003
tblVehicleEF	LDT2	0.21	0.20
tblVehicleEF	LDT2	0.16	0.15
tblVehicleEF	LDT2	0.16	0.15
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.27	0.25
tblVehicleEF	LDT2	3.4590e-003	3.3320e-003
tblVehicleEF	LDT2	6.7600e-004	6.5100e-004
tblVehicleEF	LDT2	0.21	0.20
tblVehicleEF	LDT2	0.16	0.15
tblVehicleEF	LDT2	0.16	0.15
tblVehicleEF	LDT2	0.03	0.02
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.29	0.27
tblVehicleEF	LDT2	3.6320e-003	3.2420e-003
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.84	0.77
tblVehicleEF	LDT2	2.71	2.61
tblVehicleEF	LDT2	321.63	307.92
tblVehicleEF	LDT2	69.49	66.50
tblVehicleEF	LDT2	6.6180e-003	6.0380e-003
tblVehicleEF	LDT2	0.03	0.03

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	LDT2	0.08	0.07
tblVehicleEF	LDT2	0.28	0.26
tblVehicleEF	LDT2	1.4270e-003	1.3600e-003
tblVehicleEF	LDT2	1.8750e-003	1.7980e-003
tblVehicleEF	LDT2	1.3130e-003	1.2520e-003
tblVehicleEF	LDT2	1.7240e-003	1.6530e-003
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.13
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.31	0.29
tblVehicleEF	LDT2	3.1620e-003	3.0460e-003
tblVehicleEF	LDT2	6.8300e-004	6.5800e-004
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.13
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.34	0.32
tblVehicleEF	LHD1	4.7600e-003	4.6360e-003
tblVehicleEF	LHD1	4.8390e-003	4.3560e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.17	0.17
tblVehicleEF	LHD1	0.66	0.59
tblVehicleEF	LHD1	0.93	0.90
tblVehicleEF	LHD1	9.38	9.30
tblVehicleEF	LHD1	632.13	623.59
tblVehicleEF	LHD1	10.36	10.19

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	LHD1	8.8800e-004	8.8600e-004
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.46	1.31
tblVehicleEF	LHD1	0.30	0.29
tblVehicleEF	LHD1	9.7900e-004	9.8800e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	9.8650e-003
tblVehicleEF	LHD1	2.2300e-004	2.1400e-004
tblVehicleEF	LHD1	9.3700e-004	9.4600e-004
tblVehicleEF	LHD1	2.5040e-003	2.5060e-003
tblVehicleEF	LHD1	9.9950e-003	9.4190e-003
tblVehicleEF	LHD1	2.0500e-004	1.9700e-004
tblVehicleEF	LHD1	3.0170e-003	2.8510e-003
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.4960e-003	1.4280e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.19	0.19
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	9.1000e-005	9.0000e-005
tblVehicleEF	LHD1	6.1480e-003	6.0650e-003
tblVehicleEF	LHD1	1.0300e-004	1.0100e-004
tblVehicleEF	LHD1	3.0170e-003	2.8510e-003
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.4960e-003	1.4280e-003
tblVehicleEF	LHD1	0.07	0.06

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	LHD1	0.19	0.19
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	4.7720e-003	4.6470e-003
tblVehicleEF	LHD1	4.9170e-003	4.4230e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.17	0.17
tblVehicleEF	LHD1	0.67	0.60
tblVehicleEF	LHD1	0.88	0.86
tblVehicleEF	LHD1	9.38	9.30
tblVehicleEF	LHD1	632.14	623.61
tblVehicleEF	LHD1	10.28	10.11
tblVehicleEF	LHD1	8.9000e-004	8.8800e-004
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.37	1.24
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	9.7900e-004	9.8800e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	9.8650e-003
tblVehicleEF	LHD1	2.2300e-004	2.1400e-004
tblVehicleEF	LHD1	9.3700e-004	9.4600e-004
tblVehicleEF	LHD1	2.5040e-003	2.5060e-003
tblVehicleEF	LHD1	9.9950e-003	9.4190e-003
tblVehicleEF	LHD1	2.0500e-004	1.9700e-004
tblVehicleEF	LHD1	5.6440e-003	5.3200e-003
tblVehicleEF	LHD1	0.09	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.8600e-003	2.7140e-003

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.20	0.19
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	9.1000e-005	9.0000e-005
tblVehicleEF	LHD1	6.1480e-003	6.0650e-003
tblVehicleEF	LHD1	1.0200e-004	1.0000e-004
tblVehicleEF	LHD1	5.6440e-003	5.3200e-003
tblVehicleEF	LHD1	0.09	0.09
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.8600e-003	2.7140e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.20	0.19
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	4.7590e-003	4.6350e-003
tblVehicleEF	LHD1	4.8280e-003	4.3480e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.17	0.17
tblVehicleEF	LHD1	0.66	0.59
tblVehicleEF	LHD1	0.93	0.90
tblVehicleEF	LHD1	9.38	9.30
tblVehicleEF	LHD1	632.12	623.59
tblVehicleEF	LHD1	10.37	10.19
tblVehicleEF	LHD1	8.8800e-004	8.8600e-004
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.44	1.30
tblVehicleEF	LHD1	0.30	0.29
tblVehicleEF	LHD1	9.7900e-004	9.8800e-004

Seaton Avenue/Perry Street Industrial Project
Data Attachment

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	9.8650e-003
tblVehicleEF	LHD1	2.2300e-004	2.1400e-004
tblVehicleEF	LHD1	9.3700e-004	9.4600e-004
tblVehicleEF	LHD1	2.5040e-003	2.5060e-003
tblVehicleEF	LHD1	9.9950e-003	9.4190e-003
tblVehicleEF	LHD1	2.0500e-004	1.9700e-004
tblVehicleEF	LHD1	2.6630e-003	2.5030e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.3580e-003	1.2970e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.21	0.20
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	9.1000e-005	9.0000e-005
tblVehicleEF	LHD1	6.1480e-003	6.0650e-003
tblVehicleEF	LHD1	1.0300e-004	1.0100e-004
tblVehicleEF	LHD1	2.6630e-003	2.5030e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3580e-003	1.2970e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.21	0.20
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD2	3.0860e-003	3.0000e-003
tblVehicleEF	LHD2	3.5550e-003	3.2750e-003
tblVehicleEF	LHD2	8.4670e-003	7.9190e-003
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.48	0.44

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	LHD2	0.54	0.52
tblVehicleEF	LHD2	14.77	14.66
tblVehicleEF	LHD2	631.11	622.68
tblVehicleEF	LHD2	7.16	7.02
tblVehicleEF	LHD2	1.8990e-003	1.8890e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.61	1.45
tblVehicleEF	LHD2	0.18	0.18
tblVehicleEF	LHD2	1.4480e-003	1.4570e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	1.1000e-004	1.0600e-004
tblVehicleEF	LHD2	1.3860e-003	1.3940e-003
tblVehicleEF	LHD2	2.7130e-003	2.7150e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	1.0100e-004	9.7000e-005
tblVehicleEF	LHD2	1.6110e-003	1.5300e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.1800e-004	7.9000e-004
tblVehicleEF	LHD2	0.06	0.05
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	1.4100e-004	1.4000e-004
tblVehicleEF	LHD2	6.0810e-003	5.9990e-003
tblVehicleEF	LHD2	7.1000e-005	7.0000e-005
tblVehicleEF	LHD2	1.6110e-003	1.5300e-003

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.1800e-004	7.9000e-004
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	3.0930e-003	3.0070e-003
tblVehicleEF	LHD2	3.5800e-003	3.2970e-003
tblVehicleEF	LHD2	8.1830e-003	7.6530e-003
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.49	0.45
tblVehicleEF	LHD2	0.51	0.50
tblVehicleEF	LHD2	14.77	14.66
tblVehicleEF	LHD2	631.12	622.69
tblVehicleEF	LHD2	7.12	6.98
tblVehicleEF	LHD2	1.9000e-003	1.8910e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.52	1.37
tblVehicleEF	LHD2	0.18	0.17
tblVehicleEF	LHD2	1.4480e-003	1.4570e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	1.1000e-004	1.0600e-004
tblVehicleEF	LHD2	1.3860e-003	1.3940e-003
tblVehicleEF	LHD2	2.7130e-003	2.7150e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	1.0100e-004	9.7000e-005

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	LHD2	3.0380e-003	2.8830e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.5540e-003	1.4920e-003
tblVehicleEF	LHD2	0.06	0.05
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	1.4100e-004	1.4000e-004
tblVehicleEF	LHD2	6.0810e-003	5.9990e-003
tblVehicleEF	LHD2	7.0000e-005	6.9000e-005
tblVehicleEF	LHD2	3.0380e-003	2.8830e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.5540e-003	1.4920e-003
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	3.0850e-003	2.9980e-003
tblVehicleEF	LHD2	3.5470e-003	3.2690e-003
tblVehicleEF	LHD2	8.5290e-003	7.9760e-003
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.48	0.44
tblVehicleEF	LHD2	0.54	0.52
tblVehicleEF	LHD2	14.77	14.66
tblVehicleEF	LHD2	631.11	622.68
tblVehicleEF	LHD2	7.17	7.03
tblVehicleEF	LHD2	1.8990e-003	1.8890e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.01	0.01

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.59	1.44
tblVehicleEF	LHD2	0.18	0.18
tblVehicleEF	LHD2	1.4480e-003	1.4570e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	1.1000e-004	1.0600e-004
tblVehicleEF	LHD2	1.3860e-003	1.3940e-003
tblVehicleEF	LHD2	2.7130e-003	2.7150e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	1.0100e-004	9.7000e-005
tblVehicleEF	LHD2	1.2560e-003	1.1840e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8000e-004	6.5900e-004
tblVehicleEF	LHD2	0.06	0.05
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	1.4100e-004	1.4000e-004
tblVehicleEF	LHD2	6.0810e-003	5.9990e-003
tblVehicleEF	LHD2	7.1000e-005	7.0000e-005
tblVehicleEF	LHD2	1.2560e-003	1.1840e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8000e-004	6.5900e-004
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	MCY	0.32	0.32

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	MCY	0.24	0.24
tblVehicleEF	MCY	19.26	18.95
tblVehicleEF	MCY	8.57	8.59
tblVehicleEF	MCY	208.19	208.09
tblVehicleEF	MCY	60.41	60.09
tblVehicleEF	MCY	0.07	0.07
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.26	0.26
tblVehicleEF	MCY	1.8040e-003	1.8420e-003
tblVehicleEF	MCY	2.8470e-003	2.7900e-003
tblVehicleEF	MCY	1.6870e-003	1.7220e-003
tblVehicleEF	MCY	2.6790e-003	2.6220e-003
tblVehicleEF	MCY	1.66	1.67
tblVehicleEF	MCY	0.84	0.84
tblVehicleEF	MCY	0.90	0.90
tblVehicleEF	MCY	2.14	2.12
tblVehicleEF	MCY	0.49	0.49
tblVehicleEF	MCY	1.82	1.81
tblVehicleEF	MCY	2.0600e-003	2.0590e-003
tblVehicleEF	MCY	5.9800e-004	5.9500e-004
tblVehicleEF	MCY	1.66	1.67
tblVehicleEF	MCY	0.84	0.84
tblVehicleEF	MCY	0.90	0.90
tblVehicleEF	MCY	2.64	2.62
tblVehicleEF	MCY	0.49	0.49
tblVehicleEF	MCY	1.98	1.97
tblVehicleEF	MCY	0.32	0.31
tblVehicleEF	MCY	0.22	0.22

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	MCY	19.92	19.61
tblVehicleEF	MCY	8.00	8.00
tblVehicleEF	MCY	209.15	209.06
tblVehicleEF	MCY	58.86	58.52
tblVehicleEF	MCY	0.06	0.06
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	0.98	0.97
tblVehicleEF	MCY	0.25	0.25
tblVehicleEF	MCY	1.8040e-003	1.8420e-003
tblVehicleEF	MCY	2.8470e-003	2.7900e-003
tblVehicleEF	MCY	1.6870e-003	1.7220e-003
tblVehicleEF	MCY	2.6790e-003	2.6220e-003
tblVehicleEF	MCY	3.29	3.31
tblVehicleEF	MCY	1.24	1.24
tblVehicleEF	MCY	2.05	2.05
tblVehicleEF	MCY	2.12	2.10
tblVehicleEF	MCY	0.49	0.49
tblVehicleEF	MCY	1.62	1.62
tblVehicleEF	MCY	2.0700e-003	2.0690e-003
tblVehicleEF	MCY	5.8200e-004	5.7900e-004
tblVehicleEF	MCY	3.29	3.31
tblVehicleEF	MCY	1.24	1.24
tblVehicleEF	MCY	2.05	2.05
tblVehicleEF	MCY	2.61	2.60
tblVehicleEF	MCY	0.49	0.49
tblVehicleEF	MCY	1.77	1.76
tblVehicleEF	MCY	0.32	0.31
tblVehicleEF	MCY	0.24	0.24
tblVehicleEF	MCY	18.80	18.50

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	MCY	8.51	8.54
tblVehicleEF	MCY	207.43	207.36
tblVehicleEF	MCY	60.33	60.03
tblVehicleEF	MCY	0.06	0.06
tblVehicleEF	MCY	0.02	0.02
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.26	0.26
tblVehicleEF	MCY	1.8040e-003	1.8420e-003
tblVehicleEF	MCY	2.8470e-003	2.7900e-003
tblVehicleEF	MCY	1.6870e-003	1.7220e-003
tblVehicleEF	MCY	2.6790e-003	2.6220e-003
tblVehicleEF	MCY	1.59	1.59
tblVehicleEF	MCY	1.03	1.03
tblVehicleEF	MCY	0.73	0.73
tblVehicleEF	MCY	2.13	2.11
tblVehicleEF	MCY	0.56	0.55
tblVehicleEF	MCY	1.82	1.81
tblVehicleEF	MCY	2.0530e-003	2.0520e-003
tblVehicleEF	MCY	5.9700e-004	5.9400e-004
tblVehicleEF	MCY	1.59	1.59
tblVehicleEF	MCY	1.03	1.03
tblVehicleEF	MCY	0.73	0.73
tblVehicleEF	MCY	2.63	2.61
tblVehicleEF	MCY	0.56	0.55
tblVehicleEF	MCY	1.98	1.98
tblVehicleEF	MDV	4.9040e-003	4.3280e-003
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	1.05	0.95
tblVehicleEF	MDV	3.10	2.94

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	MDV	410.56	394.25
tblVehicleEF	MDV	86.31	82.79
tblVehicleEF	MDV	9.4770e-003	8.6840e-003
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.10	0.09
tblVehicleEF	MDV	0.36	0.33
tblVehicleEF	MDV	1.4930e-003	1.4170e-003
tblVehicleEF	MDV	1.9530e-003	1.8520e-003
tblVehicleEF	MDV	1.3770e-003	1.3070e-003
tblVehicleEF	MDV	1.7960e-003	1.7030e-003
tblVehicleEF	MDV	0.13	0.12
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.41	0.37
tblVehicleEF	MDV	4.0340e-003	3.8980e-003
tblVehicleEF	MDV	8.4900e-004	8.1900e-004
tblVehicleEF	MDV	0.13	0.12
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.44	0.41
tblVehicleEF	MDV	5.5890e-003	4.9300e-003
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	1.28	1.16
tblVehicleEF	MDV	2.73	2.59
tblVehicleEF	MDV	435.21	417.67

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	MDV	85.54	82.07
tblVehicleEF	MDV	9.0810e-003	8.3300e-003
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.10	0.08
tblVehicleEF	MDV	0.34	0.31
tblVehicleEF	MDV	1.4930e-003	1.4170e-003
tblVehicleEF	MDV	1.9530e-003	1.8520e-003
tblVehicleEF	MDV	1.3770e-003	1.3070e-003
tblVehicleEF	MDV	1.7960e-003	1.7030e-003
tblVehicleEF	MDV	0.25	0.24
tblVehicleEF	MDV	0.19	0.18
tblVehicleEF	MDV	0.20	0.20
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.35	0.32
tblVehicleEF	MDV	4.2760e-003	4.1290e-003
tblVehicleEF	MDV	8.4100e-004	8.1200e-004
tblVehicleEF	MDV	0.25	0.24
tblVehicleEF	MDV	0.19	0.18
tblVehicleEF	MDV	0.20	0.20
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.39	0.35
tblVehicleEF	MDV	4.7070e-003	4.1550e-003
tblVehicleEF	MDV	0.09	0.08
tblVehicleEF	MDV	0.98	0.89
tblVehicleEF	MDV	3.17	3.01
tblVehicleEF	MDV	403.17	387.19
tblVehicleEF	MDV	86.46	82.93

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	MDV	9.2510e-003	8.4810e-003
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.10	0.09
tblVehicleEF	MDV	0.36	0.33
tblVehicleEF	MDV	1.4930e-003	1.4170e-003
tblVehicleEF	MDV	1.9530e-003	1.8520e-003
tblVehicleEF	MDV	1.3770e-003	1.3070e-003
tblVehicleEF	MDV	1.7960e-003	1.7030e-003
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.42	0.38
tblVehicleEF	MDV	3.9610e-003	3.8280e-003
tblVehicleEF	MDV	8.5000e-004	8.2100e-004
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.46	0.42
tblVehicleEF	MH	9.2290e-003	8.3210e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.19	1.03
tblVehicleEF	MH	2.00	1.92
tblVehicleEF	MH	1,445.50	1,428.57
tblVehicleEF	MH	18.19	17.79
tblVehicleEF	MH	0.06	0.06

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.58	1.53
tblVehicleEF	MH	0.23	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.3700e-004	2.2500e-004
tblVehicleEF	MH	3.3020e-003	3.3070e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.1800e-004	2.0700e-004
tblVehicleEF	MH	1.20	1.12
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.42	0.40
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.09	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	1.8000e-004	1.7600e-004
tblVehicleEF	MH	1.20	1.12
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.42	0.40
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.10	0.10
tblVehicleEF	MH	9.4350e-003	8.5010e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.22	1.05
tblVehicleEF	MH	1.87	1.79
tblVehicleEF	MH	1,445.55	1,428.62
tblVehicleEF	MH	17.96	17.58

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.47	1.42
tblVehicleEF	MH	0.22	0.22
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.3700e-004	2.2500e-004
tblVehicleEF	MH	3.3020e-003	3.3070e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.1800e-004	2.0700e-004
tblVehicleEF	MH	2.19	2.05
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.83	0.78
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.09	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	1.7800e-004	1.7400e-004
tblVehicleEF	MH	2.19	2.05
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.83	0.78
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.10	0.09
tblVehicleEF	MH	9.2120e-003	8.3060e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.19	1.03
tblVehicleEF	MH	2.02	1.94
tblVehicleEF	MH	1,445.49	1,428.57

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	MH	18.21	17.81
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.56	1.51
tblVehicleEF	MH	0.23	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.3700e-004	2.2500e-004
tblVehicleEF	MH	3.3020e-003	3.3070e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.1800e-004	2.0700e-004
tblVehicleEF	MH	1.19	1.10
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.39
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.09	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	1.8000e-004	1.7600e-004
tblVehicleEF	MH	1.19	1.10
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.39
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.10	0.10
tblVehicleEF	MHD	3.1740e-003	3.2310e-003
tblVehicleEF	MHD	3.4150e-003	1.3290e-003
tblVehicleEF	MHD	8.4360e-003	8.5180e-003
tblVehicleEF	MHD	0.34	0.36

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	MHD	0.36	0.17
tblVehicleEF	MHD	0.98	0.97
tblVehicleEF	MHD	72.73	69.20
tblVehicleEF	MHD	972.64	939.42
tblVehicleEF	MHD	8.27	8.50
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.13	0.12
tblVehicleEF	MHD	6.1560e-003	6.4640e-003
tblVehicleEF	MHD	0.57	0.40
tblVehicleEF	MHD	1.55	0.90
tblVehicleEF	MHD	1.38	1.74
tblVehicleEF	MHD	1.4440e-003	4.2800e-004
tblVehicleEF	MHD	0.05	9.3850e-003
tblVehicleEF	MHD	9.5000e-005	9.6000e-005
tblVehicleEF	MHD	1.3820e-003	4.0900e-004
tblVehicleEF	MHD	0.04	8.9760e-003
tblVehicleEF	MHD	8.7000e-005	8.9000e-005
tblVehicleEF	MHD	6.7900e-004	6.5600e-004
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.4200e-004	3.3500e-004
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	6.9000e-004	6.5600e-004
tblVehicleEF	MHD	9.2620e-003	8.9480e-003
tblVehicleEF	MHD	8.2000e-005	8.4000e-005
tblVehicleEF	MHD	6.7900e-004	6.5600e-004
tblVehicleEF	MHD	0.02	0.02

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.4200e-004	3.3500e-004
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	3.0150e-003	3.0750e-003
tblVehicleEF	MHD	3.4390e-003	1.3500e-003
tblVehicleEF	MHD	8.1570e-003	8.2390e-003
tblVehicleEF	MHD	0.29	0.31
tblVehicleEF	MHD	0.36	0.18
tblVehicleEF	MHD	0.94	0.93
tblVehicleEF	MHD	73.65	69.18
tblVehicleEF	MHD	972.65	939.42
tblVehicleEF	MHD	8.20	8.42
tblVehicleEF	MHD	0.01	9.9870e-003
tblVehicleEF	MHD	0.13	0.12
tblVehicleEF	MHD	6.0920e-003	6.3950e-003
tblVehicleEF	MHD	0.57	0.39
tblVehicleEF	MHD	1.46	0.85
tblVehicleEF	MHD	1.38	1.74
tblVehicleEF	MHD	1.2200e-003	3.6400e-004
tblVehicleEF	MHD	0.05	9.3850e-003
tblVehicleEF	MHD	9.5000e-005	9.6000e-005
tblVehicleEF	MHD	1.1680e-003	3.4800e-004
tblVehicleEF	MHD	0.04	8.9760e-003
tblVehicleEF	MHD	8.7000e-005	8.9000e-005
tblVehicleEF	MHD	1.2990e-003	1.2520e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.02	0.02

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	MHD	6.6700e-004	6.4800e-004
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	6.9800e-004	6.5600e-004
tblVehicleEF	MHD	9.2620e-003	8.9480e-003
tblVehicleEF	MHD	8.1000e-005	8.3000e-005
tblVehicleEF	MHD	1.2990e-003	1.2520e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.6700e-004	6.4800e-004
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	3.4030e-003	3.4570e-003
tblVehicleEF	MHD	3.3980e-003	1.3140e-003
tblVehicleEF	MHD	8.5100e-003	8.5940e-003
tblVehicleEF	MHD	0.42	0.42
tblVehicleEF	MHD	0.36	0.17
tblVehicleEF	MHD	0.99	0.99
tblVehicleEF	MHD	71.45	69.22
tblVehicleEF	MHD	972.64	939.42
tblVehicleEF	MHD	8.30	8.52
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.13	0.12
tblVehicleEF	MHD	6.1960e-003	6.5070e-003
tblVehicleEF	MHD	0.56	0.41
tblVehicleEF	MHD	1.54	0.89
tblVehicleEF	MHD	1.38	1.74

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	MHD	1.7540e-003	5.1700e-004
tblVehicleEF	MHD	0.05	9.3850e-003
tblVehicleEF	MHD	9.5000e-005	9.6000e-005
tblVehicleEF	MHD	1.6780e-003	4.9400e-004
tblVehicleEF	MHD	0.04	8.9760e-003
tblVehicleEF	MHD	8.7000e-005	8.9000e-005
tblVehicleEF	MHD	5.2100e-004	4.9200e-004
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.7500e-004	2.6700e-004
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	6.7700e-004	6.5600e-004
tblVehicleEF	MHD	9.2610e-003	8.9480e-003
tblVehicleEF	MHD	8.2000e-005	8.4000e-005
tblVehicleEF	MHD	5.2100e-004	4.9200e-004
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	2.7500e-004	2.6700e-004
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	OBUS	8.6690e-003	8.5500e-003
tblVehicleEF	OBUS	6.2940e-003	4.7720e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.49	0.50
tblVehicleEF	OBUS	0.72	0.58
tblVehicleEF	OBUS	2.51	2.45

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	OBUS	71.08	68.17
tblVehicleEF	OBUS	1,371.04	1,337.43
tblVehicleEF	OBUS	20.56	20.30
tblVehicleEF	OBUS	9.0690e-003	8.6360e-003
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.33	0.25
tblVehicleEF	OBUS	1.20	0.81
tblVehicleEF	OBUS	0.66	0.73
tblVehicleEF	OBUS	5.9500e-004	8.2000e-005
tblVehicleEF	OBUS	0.02	7.9710e-003
tblVehicleEF	OBUS	1.9400e-004	1.9800e-004
tblVehicleEF	OBUS	5.6900e-004	7.8000e-005
tblVehicleEF	OBUS	0.02	7.6120e-003
tblVehicleEF	OBUS	1.7800e-004	1.8200e-004
tblVehicleEF	OBUS	2.6170e-003	2.6360e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	1.1260e-003	1.1390e-003
tblVehicleEF	OBUS	0.05	0.03
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.12	0.12
tblVehicleEF	OBUS	6.7800e-004	6.5100e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.0300e-004	2.0100e-004
tblVehicleEF	OBUS	2.6170e-003	2.6360e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	1.1260e-003	1.1390e-003

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	OBUS	0.06	0.04
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	8.7200e-003	8.6200e-003
tblVehicleEF	OBUS	6.4100e-003	4.8760e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.48	0.50
tblVehicleEF	OBUS	0.73	0.59
tblVehicleEF	OBUS	2.35	2.29
tblVehicleEF	OBUS	70.99	67.44
tblVehicleEF	OBUS	1,371.06	1,337.45
tblVehicleEF	OBUS	20.28	20.03
tblVehicleEF	OBUS	9.0610e-003	8.5270e-003
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.32	0.23
tblVehicleEF	OBUS	1.12	0.75
tblVehicleEF	OBUS	0.65	0.73
tblVehicleEF	OBUS	5.0500e-004	7.3000e-005
tblVehicleEF	OBUS	0.02	7.9710e-003
tblVehicleEF	OBUS	1.9400e-004	1.9800e-004
tblVehicleEF	OBUS	4.8300e-004	6.9000e-005
tblVehicleEF	OBUS	0.02	7.6120e-003
tblVehicleEF	OBUS	1.7800e-004	1.8200e-004
tblVehicleEF	OBUS	4.7670e-003	4.8010e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	2.1480e-003	2.1640e-003
tblVehicleEF	OBUS	0.05	0.03

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.12	0.11
tblVehicleEF	OBUS	6.7700e-004	6.4400e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.0100e-004	1.9800e-004
tblVehicleEF	OBUS	4.7670e-003	4.8010e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.07	0.06
tblVehicleEF	OBUS	2.1480e-003	2.1640e-003
tblVehicleEF	OBUS	0.06	0.04
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.13	0.12
tblVehicleEF	OBUS	8.6270e-003	8.4810e-003
tblVehicleEF	OBUS	6.2600e-003	4.7410e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.50	0.51
tblVehicleEF	OBUS	0.72	0.58
tblVehicleEF	OBUS	2.54	2.48
tblVehicleEF	OBUS	71.20	69.17
tblVehicleEF	OBUS	1,371.03	1,337.43
tblVehicleEF	OBUS	20.60	20.34
tblVehicleEF	OBUS	9.0880e-003	8.7930e-003
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.33	0.26
tblVehicleEF	OBUS	1.20	0.81
tblVehicleEF	OBUS	0.66	0.73
tblVehicleEF	OBUS	7.1900e-004	9.4000e-005
tblVehicleEF	OBUS	0.02	7.9710e-003

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	OBUS	1.9400e-004	1.9800e-004
tblVehicleEF	OBUS	6.8800e-004	9.0000e-005
tblVehicleEF	OBUS	0.02	7.6120e-003
tblVehicleEF	OBUS	1.7800e-004	1.8200e-004
tblVehicleEF	OBUS	2.3790e-003	2.3770e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	1.0720e-003	1.0810e-003
tblVehicleEF	OBUS	0.05	0.03
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.12	0.12
tblVehicleEF	OBUS	6.7900e-004	6.6000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.0400e-004	2.0100e-004
tblVehicleEF	OBUS	2.3790e-003	2.3770e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	1.0720e-003	1.0810e-003
tblVehicleEF	OBUS	0.06	0.04
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	SBUS	0.08	0.08
tblVehicleEF	SBUS	6.3720e-003	6.1380e-003
tblVehicleEF	SBUS	7.0630e-003	7.1540e-003
tblVehicleEF	SBUS	3.08	3.12
tblVehicleEF	SBUS	0.51	0.50
tblVehicleEF	SBUS	0.94	0.94
tblVehicleEF	SBUS	365.13	363.20
tblVehicleEF	SBUS	1,104.50	1,093.96

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	SBUS	6.09	6.12
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	6.8130e-003	6.9980e-003
tblVehicleEF	SBUS	3.47	3.37
tblVehicleEF	SBUS	4.62	4.43
tblVehicleEF	SBUS	0.75	0.81
tblVehicleEF	SBUS	3.7440e-003	3.4460e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.2000e-005	4.4000e-005
tblVehicleEF	SBUS	3.5820e-003	3.2970e-003
tblVehicleEF	SBUS	2.6500e-003	2.6490e-003
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	3.9000e-005	4.1000e-005
tblVehicleEF	SBUS	1.4040e-003	1.5010e-003
tblVehicleEF	SBUS	9.3180e-003	0.01
tblVehicleEF	SBUS	0.36	0.37
tblVehicleEF	SBUS	6.7500e-004	7.2500e-004
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4880e-003	3.4700e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.0000e-005	6.1000e-005
tblVehicleEF	SBUS	1.4040e-003	1.5010e-003
tblVehicleEF	SBUS	9.3180e-003	0.01
tblVehicleEF	SBUS	0.52	0.53
tblVehicleEF	SBUS	6.7500e-004	7.2500e-004

Seaton Avenue/Perry Street Industrial Project
Data Attachment

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.04	0.05
tblVehicleEF	SBUS	0.08	0.08
tblVehicleEF	SBUS	6.4450e-003	6.2090e-003
tblVehicleEF	SBUS	5.9200e-003	5.9970e-003
tblVehicleEF	SBUS	3.04	3.09
tblVehicleEF	SBUS	0.52	0.50
tblVehicleEF	SBUS	0.68	0.68
tblVehicleEF	SBUS	374.76	372.25
tblVehicleEF	SBUS	1,104.52	1,093.97
tblVehicleEF	SBUS	5.66	5.68
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	6.5890e-003	6.7690e-003
tblVehicleEF	SBUS	3.55	3.45
tblVehicleEF	SBUS	4.35	4.17
tblVehicleEF	SBUS	0.75	0.80
tblVehicleEF	SBUS	3.1630e-003	2.9130e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.2000e-005	4.4000e-005
tblVehicleEF	SBUS	3.0260e-003	2.7870e-003
tblVehicleEF	SBUS	2.6500e-003	2.6490e-003
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	3.9000e-005	4.1000e-005
tblVehicleEF	SBUS	2.5310e-003	2.7020e-003
tblVehicleEF	SBUS	9.8380e-003	0.01
tblVehicleEF	SBUS	0.36	0.37

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	SBUS	1.2510e-003	1.3370e-003
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	3.5790e-003	3.5550e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	2.5310e-003	2.7020e-003
tblVehicleEF	SBUS	9.8380e-003	0.01
tblVehicleEF	SBUS	0.52	0.53
tblVehicleEF	SBUS	1.2510e-003	1.3370e-003
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	0.08	0.08
tblVehicleEF	SBUS	6.3640e-003	6.1310e-003
tblVehicleEF	SBUS	7.3130e-003	7.4110e-003
tblVehicleEF	SBUS	3.13	3.17
tblVehicleEF	SBUS	0.51	0.50
tblVehicleEF	SBUS	0.98	0.98
tblVehicleEF	SBUS	351.83	350.71
tblVehicleEF	SBUS	1,104.50	1,093.96
tblVehicleEF	SBUS	6.17	6.19
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	6.9070e-003	7.0960e-003
tblVehicleEF	SBUS	3.35	3.26
tblVehicleEF	SBUS	4.59	4.40
tblVehicleEF	SBUS	0.75	0.81
tblVehicleEF	SBUS	4.5460e-003	4.1830e-003

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.2000e-005	4.4000e-005
tblVehicleEF	SBUS	4.3490e-003	4.0020e-003
tblVehicleEF	SBUS	2.6500e-003	2.6490e-003
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	3.9000e-005	4.1000e-005
tblVehicleEF	SBUS	1.2200e-003	1.2920e-003
tblVehicleEF	SBUS	9.5110e-003	0.01
tblVehicleEF	SBUS	0.36	0.37
tblVehicleEF	SBUS	6.5000e-004	6.9700e-004
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.3620e-003	3.3520e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.2200e-003	1.2920e-003
tblVehicleEF	SBUS	9.5110e-003	0.01
tblVehicleEF	SBUS	0.52	0.53
tblVehicleEF	SBUS	6.5000e-004	6.9700e-004
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	UBUS	3.35	3.35
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	26.06	26.09
tblVehicleEF	UBUS	1.47	1.44
tblVehicleEF	UBUS	1,617.41	1,610.65
tblVehicleEF	UBUS	18.02	17.72

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	UBUS	0.23	0.23
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.32	0.32
tblVehicleEF	UBUS	0.18	0.17
tblVehicleEF	UBUS	2.9840e-003	2.7900e-003
tblVehicleEF	UBUS	1.6200e-004	1.7300e-004
tblVehicleEF	UBUS	2.8400e-003	2.6530e-003
tblVehicleEF	UBUS	1.4900e-004	1.5900e-004
tblVehicleEF	UBUS	1.3840e-003	1.4420e-003
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	8.4400e-004	8.8500e-004
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	1.7120e-003	1.7160e-003
tblVehicleEF	UBUS	0.08	0.07
tblVehicleEF	UBUS	4.8660e-003	4.8150e-003
tblVehicleEF	UBUS	1.7800e-004	1.7500e-004
tblVehicleEF	UBUS	1.3840e-003	1.4420e-003
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	8.4400e-004	8.8500e-004
tblVehicleEF	UBUS	3.43	3.43
tblVehicleEF	UBUS	1.7120e-003	1.7160e-003
tblVehicleEF	UBUS	0.08	0.08
tblVehicleEF	UBUS	3.35	3.35
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	26.06	26.09
tblVehicleEF	UBUS	1.25	1.22
tblVehicleEF	UBUS	1,617.41	1,610.66
tblVehicleEF	UBUS	17.65	17.36
tblVehicleEF	UBUS	0.23	0.23

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.31	0.31
tblVehicleEF	UBUS	0.17	0.16
tblVehicleEF	UBUS	2.9840e-003	2.7900e-003
tblVehicleEF	UBUS	1.6200e-004	1.7300e-004
tblVehicleEF	UBUS	2.8400e-003	2.6530e-003
tblVehicleEF	UBUS	1.4900e-004	1.5900e-004
tblVehicleEF	UBUS	2.4580e-003	2.5600e-003
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	1.6790e-003	1.7490e-003
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	1.6590e-003	1.6650e-003
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	4.8660e-003	4.8150e-003
tblVehicleEF	UBUS	1.7500e-004	1.7200e-004
tblVehicleEF	UBUS	2.4580e-003	2.5600e-003
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	1.6790e-003	1.7490e-003
tblVehicleEF	UBUS	3.43	3.43
tblVehicleEF	UBUS	1.6590e-003	1.6650e-003
tblVehicleEF	UBUS	0.08	0.07
tblVehicleEF	UBUS	3.35	3.35
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	26.06	26.09
tblVehicleEF	UBUS	1.46	1.42
tblVehicleEF	UBUS	1,617.41	1,610.65
tblVehicleEF	UBUS	18.00	17.70
tblVehicleEF	UBUS	0.23	0.23
tblVehicleEF	UBUS	0.02	0.02

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

tblVehicleEF	UBUS	0.32	0.31
tblVehicleEF	UBUS	0.18	0.17
tblVehicleEF	UBUS	2.9840e-003	2.7900e-003
tblVehicleEF	UBUS	1.6200e-004	1.7300e-004
tblVehicleEF	UBUS	2.8400e-003	2.6530e-003
tblVehicleEF	UBUS	1.4900e-004	1.5900e-004
tblVehicleEF	UBUS	1.4140e-003	1.4610e-003
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	8.8500e-004	9.2700e-004
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	2.0100e-003	2.0030e-003
tblVehicleEF	UBUS	0.08	0.07
tblVehicleEF	UBUS	4.8660e-003	4.8150e-003
tblVehicleEF	UBUS	1.7800e-004	1.7500e-004
tblVehicleEF	UBUS	1.4140e-003	1.4610e-003
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	8.8500e-004	9.2700e-004
tblVehicleEF	UBUS	3.43	3.43
tblVehicleEF	UBUS	2.0100e-003	2.0030e-003
tblVehicleEF	UBUS	0.08	0.08
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	CNW_TTP	41.00	100.00
tblVehicleTrips	CNW_TTP	41.00	100.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	59.00	0.00

Seaton Avenue/Perry Street Industrial Project - Haul 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	CW_TTP	59.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.12	0.67
tblVehicleTrips	ST_TR	1.74	0.67
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	2.12	0.67
tblVehicleTrips	SU_TR	1.74	0.67
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	2.12	0.67
tblVehicleTrips	WD_TR	1.74	0.67
tblWater	IndoorWaterUseRate	4,576,437.50	0.00
tblWater	IndoorWaterUseRate	18,303,437.50	0.00
tblWater	OutdoorWaterUseRate	1,882,540.53	0.00

2.0 Emissions Summary

Seaton Avenue/Perry Street Industrial Project - Haul 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	0.0000	0.0000	0.0000	0.0000	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	lb/day										lb/day					
2022	0.0000	0.0000	0.0000	0.0000	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

Seaton Avenue/Perry Street Industrial Project - Haul 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

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	1.0100e-003	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.1670	9.9698	2.0716	0.0654	2.3951	0.1286	2.5237	0.6755	0.1230	0.7985		6,952.5685	6,952.5685	0.0777	1.0549	7,268.8704
Stationary	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	0.1680	9.9699	2.0825	0.0654	2.3951	0.1286	2.5237	0.6755	0.1231	0.7985		6,952.5917	6,952.5917	0.0778	1.0549	7,268.8952

Seaton Avenue/Perry Street Industrial Project - Haul 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	1.0100e-003	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.1670	9.9698	2.0716	0.0654	2.3951	0.1286	2.5237	0.6755	0.1230	0.7985		6,952.5685	6,952.5685	0.0777	1.0549	7,268.8704
Stationary	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	0.1680	9.9699	2.0825	0.0654	2.3951	0.1286	2.5237	0.6755	0.1231	0.7985		6,952.5917	6,952.5917	0.0778	1.0549	7,268.8952

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/3/2022	1/2/2022	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0
 Seaton Avenue/Perry Street Industrial Project
 Data Attachment

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

Acres of Paving: 5.57

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Crawler Tractors	0	8.00	212	0.43
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

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

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Seaton Avenue/Perry Street Industrial Project - Haul 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 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	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

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	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

Seaton Avenue/Perry Street Industrial Project - Haul 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 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	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

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

Seaton Avenue/Perry Street Industrial Project - Haul 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	0.1670	9.9698	2.0716	0.0654	2.3951	0.1286	2.5237	0.6755	0.1230	0.7985		6,952.5685	6,952.5685	0.0777	1.0549	7,268.8704
Unmitigated	0.1670	9.9698	2.0716	0.0654	2.3951	0.1286	2.5237	0.6755	0.1230	0.7985		6,952.5685	6,952.5685	0.0777	1.0549	7,268.8704

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		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	13.26	13.26	13.26	193,055	193,055
Unrefrigerated Warehouse-No Rail	53.03	53.03	53.03	772,124	772,124
Total	66.29	66.29	66.29	965,179	965,179

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
Other Asphalt Surfaces	0.00	0.00	6.90	0.00	0.00	0.00	0	0	0

Seaton Avenue/Perry Street Industrial Project - Haul 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
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	40.00	40.00	40.00	0.00	0.00	100.00	100	0	0
Unrefrigerated Warehouse-No	40.00	40.00	40.00	0.00	0.00	100.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Asphalt Surfaces	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Parking Lot	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Refrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.290000	0.710000	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.290000	0.710000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Seaton Avenue/Perry Street Industrial Project - Haul 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					
Natural Gas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Natural Gas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - Natural Gas

Unmitigated

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

Seaton Avenue/Perry Street Industrial Project - Haul 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 - 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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Seaton Avenue/Perry Street Industrial Project - Haul 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	1.0100e-003	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248
Unmitigated	1.0100e-003	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0100e-003	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248
Total	1.0100e-003	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248

Seaton Avenue/Perry Street Industrial Project - Haul 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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0100e-003	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248
Total	1.0100e-003	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248

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
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10.0 Stationary Equipment

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Summer

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

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Fire Pump	0	1	50	238	0.73	Diesel

Boilers

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

User Defined Equipment

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

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)	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

11.0 Vegetation

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

Seaton Avenue/Perry Street Industrial Project - Haul Trucks

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	19.79	1000sqft	0.45	19,790.00	0
Unrefrigerated Warehouse-No Rail	79.15	1000sqft	1.82	79,150.00	0
Other Asphalt Surfaces	3.31	Acre	3.31	144,183.60	0
Parking Lot	2.26	Acre	2.26	98,445.60	0
City Park	1.58	Acre	1.58	68,824.80	0

1.2 Other Project Characteristics

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

1.3 User Entered Comments & Non-Default Data

Project Characteristics -
 Land Use -
 Construction Phase - Operations Only
 Off-road Equipment -
 Off-road Equipment - OPerations Only
 Grading - Grading requires 37,400 cy cut and 16,540 cy fill with export of 20,860 cy

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - 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 - Trip rate for LDA+LDT+MDT+LHDT

Total trip rate = 4.96 trips/day

MHDT+HHDT = 13.4% of total trips = 0.665 trips/day

Trip distance for haul trucks = 40 miles

Consumer Products - Haul Truck OPERations Only

Area Coating - Haul Truck OPERations Only

Landscape Equipment - Haul Truck OPERations Only

Energy Use - Haul Truck OPERations Only

Water And Wastewater - Haul Truck OPERations Only

Solid Waste - Haul Truck OPERations Only

Construction Off-road Equipment Mitigation - Dust mitigation = 74% control with watering with 2 hour watering interval as per the Western Regional Air Partnership

Fugitive Dust Handbook (Table 3.7)

https://www.env.nm.gov/wp-content/uploads/sites/2/2017/02/WRAP_FDHandbook_Rev_06.pdf

Fleet Mix - Fleet Mix derived from Traffic Impact Study and CalEEMod fleet mix

Stationary Sources - Emergency Generators and Fire Pumps - Haul Truck OPERations Only

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	PhaseEndDate	1/14/2022	1/2/2022
tblConsumerProducts	ROG_EF	1.98E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	2.37	0.00
tblEnergyUse	LightingElect	1.17	0.00
tblEnergyUse	NT24E	36.52	0.00
tblEnergyUse	NT24E	0.82	0.00
tblEnergyUse	NT24NG	48.51	0.00

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblEnergyUse	NT24NG	0.03	0.00
tblEnergyUse	T24E	0.95	0.00
tblEnergyUse	T24E	0.33	0.00
tblEnergyUse	T24NG	3.22	0.00
tblEnergyUse	T24NG	1.98	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.71
tblFleetMix	HHD	0.02	0.71
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDA	0.53	0.00
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	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	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	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00

Seaton Avenue/Perry Street Industrial Project - Haul 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	LHD1	0.03	0.00
tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MCY	0.02	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	MDV	0.14	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.29
tblFleetMix	MHD	0.01	0.29
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	OBUS	6.3000e-004	0.00

Seaton Avenue/Perry Street Industrial Project - Haul 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	OBUS	6.3000e-004	0.00
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblLandscapeEquipment	NumberSummerDays	250	1
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblSolidWaste	SolidWasteGenerationRate	0.14	0.00
tblSolidWaste	SolidWasteGenerationRate	18.60	0.00
tblSolidWaste	SolidWasteGenerationRate	74.40	0.00
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	7.94	8.39
tblVehicleEF	HHD	0.25	0.21
tblVehicleEF	HHD	2.7310e-003	2.6410e-003
tblVehicleEF	HHD	1,427.19	1,374.55
tblVehicleEF	HHD	1,313.58	1,256.69
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.22	0.22
tblVehicleEF	HHD	0.21	0.20
tblVehicleEF	HHD	7.34	6.82

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	HHD	2.57	1.92
tblVehicleEF	HHD	2.17	2.40
tblVehicleEF	HHD	3.4450e-003	2.7370e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	3.2960e-003	2.6180e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8960e-003	8.8950e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	2.0000e-006	1.0000e-006
tblVehicleEF	HHD	6.0000e-005	5.3000e-005
tblVehicleEF	HHD	0.57	0.57
tblVehicleEF	HHD	0.04	0.02
tblVehicleEF	HHD	2.3000e-005	2.0000e-005
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0000e-006	1.0000e-006
tblVehicleEF	HHD	6.0000e-005	5.3000e-005
tblVehicleEF	HHD	0.65	0.65
tblVehicleEF	HHD	0.06	0.04
tblVehicleEF	HHD	2.3000e-005	2.0000e-005
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	7.79	8.28
tblVehicleEF	HHD	0.25	0.21
tblVehicleEF	HHD	2.5850e-003	2.5010e-003
tblVehicleEF	HHD	1,418.27	1,357.07
tblVehicleEF	HHD	1,313.58	1,256.69

Seaton Avenue/Perry Street Industrial Project
Data Attachment

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.22	0.21
tblVehicleEF	HHD	0.21	0.20
tblVehicleEF	HHD	3.0000e-006	2.0000e-006
tblVehicleEF	HHD	7.07	6.49
tblVehicleEF	HHD	2.42	1.81
tblVehicleEF	HHD	2.17	2.40
tblVehicleEF	HHD	3.0680e-003	2.4170e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	2.9360e-003	2.3130e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8960e-003	8.8950e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	6.7000e-005	5.8000e-005
tblVehicleEF	HHD	0.60	0.60
tblVehicleEF	HHD	0.04	0.02
tblVehicleEF	HHD	2.3000e-005	2.0000e-005
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	6.7000e-005	5.8000e-005
tblVehicleEF	HHD	0.68	0.69
tblVehicleEF	HHD	0.06	0.04
tblVehicleEF	HHD	2.3000e-005	2.0000e-005
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	8.15	8.55
tblVehicleEF	HHD	0.25	0.21

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	HHD	2.7200e-003	2.6330e-003
tblVehicleEF	HHD	1,439.51	1,398.70
tblVehicleEF	HHD	1,313.58	1,256.69
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.23	0.22
tblVehicleEF	HHD	0.21	0.20
tblVehicleEF	HHD	7.71	7.27
tblVehicleEF	HHD	2.55	1.91
tblVehicleEF	HHD	2.17	2.40
tblVehicleEF	HHD	3.9650e-003	3.1780e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	3.7930e-003	3.0400e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8960e-003	8.8950e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	2.0000e-006	1.0000e-006
tblVehicleEF	HHD	6.7000e-005	5.8000e-005
tblVehicleEF	HHD	0.53	0.52
tblVehicleEF	HHD	0.04	0.02
tblVehicleEF	HHD	2.4000e-005	2.1000e-005
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0000e-006	1.0000e-006
tblVehicleEF	HHD	6.7000e-005	5.8000e-005
tblVehicleEF	HHD	0.60	0.60
tblVehicleEF	HHD	0.06	0.04
tblVehicleEF	HHD	2.4000e-005	2.1000e-005

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	LDA	2.1670e-003	1.9160e-003
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.61	0.57
tblVehicleEF	LDA	2.07	2.00
tblVehicleEF	LDA	259.71	250.08
tblVehicleEF	LDA	53.48	51.54
tblVehicleEF	LDA	4.4370e-003	4.1520e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.18	0.17
tblVehicleEF	LDA	1.3740e-003	1.3020e-003
tblVehicleEF	LDA	1.8360e-003	1.7530e-003
tblVehicleEF	LDA	1.2660e-003	1.1990e-003
tblVehicleEF	LDA	1.6880e-003	1.6120e-003
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	8.1920e-003	7.0950e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.21	0.19
tblVehicleEF	LDA	2.5530e-003	2.4740e-003
tblVehicleEF	LDA	5.2600e-004	5.1000e-004
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.23	0.21
tblVehicleEF	LDA	2.4690e-003	2.1830e-003

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.75	0.70
tblVehicleEF	LDA	1.82	1.77
tblVehicleEF	LDA	282.39	271.87
tblVehicleEF	LDA	53.01	51.08
tblVehicleEF	LDA	4.2270e-003	3.9570e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.17	0.16
tblVehicleEF	LDA	1.3740e-003	1.3020e-003
tblVehicleEF	LDA	1.8360e-003	1.7530e-003
tblVehicleEF	LDA	1.2660e-003	1.1990e-003
tblVehicleEF	LDA	1.6880e-003	1.6120e-003
tblVehicleEF	LDA	0.13	0.12
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	9.2580e-003	8.0120e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.18	0.17
tblVehicleEF	LDA	2.7760e-003	2.6900e-003
tblVehicleEF	LDA	5.2100e-004	5.0600e-004
tblVehicleEF	LDA	0.13	0.12
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.20	0.18
tblVehicleEF	LDA	2.0910e-003	1.8500e-003
tblVehicleEF	LDA	0.05	0.05

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	LDA	0.57	0.54
tblVehicleEF	LDA	2.11	2.04
tblVehicleEF	LDA	253.49	244.11
tblVehicleEF	LDA	53.57	51.61
tblVehicleEF	LDA	4.3050e-003	4.0290e-003
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.18	0.17
tblVehicleEF	LDA	1.3740e-003	1.3020e-003
tblVehicleEF	LDA	1.8360e-003	1.7530e-003
tblVehicleEF	LDA	1.2660e-003	1.1990e-003
tblVehicleEF	LDA	1.6880e-003	1.6120e-003
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	7.9110e-003	6.8540e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.21	0.19
tblVehicleEF	LDA	2.4920e-003	2.4150e-003
tblVehicleEF	LDA	5.2700e-004	5.1100e-004
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.01	9.9630e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.23	0.21
tblVehicleEF	LDT1	6.9370e-003	5.9940e-003
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	1.43	1.27

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	LDT1	2.34	2.24
tblVehicleEF	LDT1	310.06	299.04
tblVehicleEF	LDT1	65.12	62.77
tblVehicleEF	LDT1	9.2710e-003	8.2700e-003
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT1	0.28	0.26
tblVehicleEF	LDT1	2.0960e-003	1.9160e-003
tblVehicleEF	LDT1	2.7320e-003	2.5270e-003
tblVehicleEF	LDT1	1.9290e-003	1.7630e-003
tblVehicleEF	LDT1	2.5120e-003	2.3230e-003
tblVehicleEF	LDT1	0.21	0.19
tblVehicleEF	LDT1	0.25	0.23
tblVehicleEF	LDT1	0.14	0.13
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.39	0.35
tblVehicleEF	LDT1	3.0480e-003	2.9590e-003
tblVehicleEF	LDT1	6.4000e-004	6.2100e-004
tblVehicleEF	LDT1	0.21	0.19
tblVehicleEF	LDT1	0.25	0.23
tblVehicleEF	LDT1	0.14	0.13
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.43	0.39
tblVehicleEF	LDT1	7.8400e-003	6.7740e-003
tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	1.74	1.54
tblVehicleEF	LDT1	2.07	1.99

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	LDT1	334.19	322.22
tblVehicleEF	LDT1	64.52	62.22
tblVehicleEF	LDT1	8.8090e-003	7.8610e-003
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.27	0.25
tblVehicleEF	LDT1	2.0960e-003	1.9160e-003
tblVehicleEF	LDT1	2.7320e-003	2.5270e-003
tblVehicleEF	LDT1	1.9290e-003	1.7630e-003
tblVehicleEF	LDT1	2.5120e-003	2.3230e-003
tblVehicleEF	LDT1	0.40	0.37
tblVehicleEF	LDT1	0.31	0.28
tblVehicleEF	LDT1	0.27	0.25
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.34	0.31
tblVehicleEF	LDT1	3.2860e-003	3.1890e-003
tblVehicleEF	LDT1	6.3400e-004	6.1600e-004
tblVehicleEF	LDT1	0.40	0.37
tblVehicleEF	LDT1	0.31	0.28
tblVehicleEF	LDT1	0.27	0.25
tblVehicleEF	LDT1	0.05	0.04
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.38	0.34
tblVehicleEF	LDT1	6.6720e-003	5.7650e-003
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	1.34	1.19
tblVehicleEF	LDT1	2.39	2.30
tblVehicleEF	LDT1	302.73	292.00

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	LDT1	65.25	62.89
tblVehicleEF	LDT1	9.0390e-003	8.0620e-003
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.28	0.26
tblVehicleEF	LDT1	2.0960e-003	1.9160e-003
tblVehicleEF	LDT1	2.7320e-003	2.5270e-003
tblVehicleEF	LDT1	1.9290e-003	1.7630e-003
tblVehicleEF	LDT1	2.5120e-003	2.3230e-003
tblVehicleEF	LDT1	0.17	0.16
tblVehicleEF	LDT1	0.28	0.25
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.41	0.36
tblVehicleEF	LDT1	2.9760e-003	2.8900e-003
tblVehicleEF	LDT1	6.4200e-004	6.2200e-004
tblVehicleEF	LDT1	0.17	0.16
tblVehicleEF	LDT1	0.28	0.25
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.44	0.40
tblVehicleEF	LDT2	3.7850e-003	3.3780e-003
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.90	0.83
tblVehicleEF	LDT2	2.64	2.54
tblVehicleEF	LDT2	328.68	314.65
tblVehicleEF	LDT2	69.36	66.37

Seaton Avenue/Perry Street Industrial Project
Data Attachment

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	LDT2	6.7960e-003	6.2000e-003
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.08	0.07
tblVehicleEF	LDT2	0.28	0.25
tblVehicleEF	LDT2	1.4270e-003	1.3600e-003
tblVehicleEF	LDT2	1.8750e-003	1.7980e-003
tblVehicleEF	LDT2	1.3130e-003	1.2520e-003
tblVehicleEF	LDT2	1.7240e-003	1.6530e-003
tblVehicleEF	LDT2	0.11	0.10
tblVehicleEF	LDT2	0.13	0.13
tblVehicleEF	LDT2	0.09	0.08
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.31	0.28
tblVehicleEF	LDT2	3.2310e-003	3.1130e-003
tblVehicleEF	LDT2	6.8200e-004	6.5700e-004
tblVehicleEF	LDT2	0.11	0.10
tblVehicleEF	LDT2	0.13	0.13
tblVehicleEF	LDT2	0.09	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.33	0.31
tblVehicleEF	LDT2	4.3030e-003	3.8410e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	1.10	1.02
tblVehicleEF	LDT2	2.34	2.25
tblVehicleEF	LDT2	351.89	336.75
tblVehicleEF	LDT2	68.74	65.79
tblVehicleEF	LDT2	6.4890e-003	5.9220e-003

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.27	0.25
tblVehicleEF	LDT2	1.4270e-003	1.3600e-003
tblVehicleEF	LDT2	1.8750e-003	1.7980e-003
tblVehicleEF	LDT2	1.3130e-003	1.2520e-003
tblVehicleEF	LDT2	1.7240e-003	1.6530e-003
tblVehicleEF	LDT2	0.21	0.20
tblVehicleEF	LDT2	0.16	0.15
tblVehicleEF	LDT2	0.16	0.15
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.27	0.25
tblVehicleEF	LDT2	3.4590e-003	3.3320e-003
tblVehicleEF	LDT2	6.7600e-004	6.5100e-004
tblVehicleEF	LDT2	0.21	0.20
tblVehicleEF	LDT2	0.16	0.15
tblVehicleEF	LDT2	0.16	0.15
tblVehicleEF	LDT2	0.03	0.02
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.29	0.27
tblVehicleEF	LDT2	3.6320e-003	3.2420e-003
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.84	0.77
tblVehicleEF	LDT2	2.71	2.61
tblVehicleEF	LDT2	321.63	307.92
tblVehicleEF	LDT2	69.49	66.50
tblVehicleEF	LDT2	6.6180e-003	6.0380e-003
tblVehicleEF	LDT2	0.03	0.03

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	LDT2	0.08	0.07
tblVehicleEF	LDT2	0.28	0.26
tblVehicleEF	LDT2	1.4270e-003	1.3600e-003
tblVehicleEF	LDT2	1.8750e-003	1.7980e-003
tblVehicleEF	LDT2	1.3130e-003	1.2520e-003
tblVehicleEF	LDT2	1.7240e-003	1.6530e-003
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.13
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.31	0.29
tblVehicleEF	LDT2	3.1620e-003	3.0460e-003
tblVehicleEF	LDT2	6.8300e-004	6.5800e-004
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.13
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.34	0.32
tblVehicleEF	LHD1	4.7600e-003	4.6360e-003
tblVehicleEF	LHD1	4.8390e-003	4.3560e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.17	0.17
tblVehicleEF	LHD1	0.66	0.59
tblVehicleEF	LHD1	0.93	0.90
tblVehicleEF	LHD1	9.38	9.30
tblVehicleEF	LHD1	632.13	623.59
tblVehicleEF	LHD1	10.36	10.19

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	LHD1	8.8800e-004	8.8600e-004
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.46	1.31
tblVehicleEF	LHD1	0.30	0.29
tblVehicleEF	LHD1	9.7900e-004	9.8800e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	9.8650e-003
tblVehicleEF	LHD1	2.2300e-004	2.1400e-004
tblVehicleEF	LHD1	9.3700e-004	9.4600e-004
tblVehicleEF	LHD1	2.5040e-003	2.5060e-003
tblVehicleEF	LHD1	9.9950e-003	9.4190e-003
tblVehicleEF	LHD1	2.0500e-004	1.9700e-004
tblVehicleEF	LHD1	3.0170e-003	2.8510e-003
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.4960e-003	1.4280e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.19	0.19
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	9.1000e-005	9.0000e-005
tblVehicleEF	LHD1	6.1480e-003	6.0650e-003
tblVehicleEF	LHD1	1.0300e-004	1.0100e-004
tblVehicleEF	LHD1	3.0170e-003	2.8510e-003
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.4960e-003	1.4280e-003
tblVehicleEF	LHD1	0.07	0.06

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	LHD1	0.19	0.19
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	4.7720e-003	4.6470e-003
tblVehicleEF	LHD1	4.9170e-003	4.4230e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.17	0.17
tblVehicleEF	LHD1	0.67	0.60
tblVehicleEF	LHD1	0.88	0.86
tblVehicleEF	LHD1	9.38	9.30
tblVehicleEF	LHD1	632.14	623.61
tblVehicleEF	LHD1	10.28	10.11
tblVehicleEF	LHD1	8.9000e-004	8.8800e-004
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.37	1.24
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	9.7900e-004	9.8800e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	9.8650e-003
tblVehicleEF	LHD1	2.2300e-004	2.1400e-004
tblVehicleEF	LHD1	9.3700e-004	9.4600e-004
tblVehicleEF	LHD1	2.5040e-003	2.5060e-003
tblVehicleEF	LHD1	9.9950e-003	9.4190e-003
tblVehicleEF	LHD1	2.0500e-004	1.9700e-004
tblVehicleEF	LHD1	5.6440e-003	5.3200e-003
tblVehicleEF	LHD1	0.09	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.8600e-003	2.7140e-003

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.20	0.19
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	9.1000e-005	9.0000e-005
tblVehicleEF	LHD1	6.1480e-003	6.0650e-003
tblVehicleEF	LHD1	1.0200e-004	1.0000e-004
tblVehicleEF	LHD1	5.6440e-003	5.3200e-003
tblVehicleEF	LHD1	0.09	0.09
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.8600e-003	2.7140e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.20	0.19
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	4.7590e-003	4.6350e-003
tblVehicleEF	LHD1	4.8280e-003	4.3480e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.17	0.17
tblVehicleEF	LHD1	0.66	0.59
tblVehicleEF	LHD1	0.93	0.90
tblVehicleEF	LHD1	9.38	9.30
tblVehicleEF	LHD1	632.12	623.59
tblVehicleEF	LHD1	10.37	10.19
tblVehicleEF	LHD1	8.8800e-004	8.8600e-004
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.44	1.30
tblVehicleEF	LHD1	0.30	0.29
tblVehicleEF	LHD1	9.7900e-004	9.8800e-004

Seaton Avenue/Perry Street Industrial Project
Data Attachment

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	9.8650e-003
tblVehicleEF	LHD1	2.2300e-004	2.1400e-004
tblVehicleEF	LHD1	9.3700e-004	9.4600e-004
tblVehicleEF	LHD1	2.5040e-003	2.5060e-003
tblVehicleEF	LHD1	9.9950e-003	9.4190e-003
tblVehicleEF	LHD1	2.0500e-004	1.9700e-004
tblVehicleEF	LHD1	2.6630e-003	2.5030e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.3580e-003	1.2970e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.21	0.20
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	9.1000e-005	9.0000e-005
tblVehicleEF	LHD1	6.1480e-003	6.0650e-003
tblVehicleEF	LHD1	1.0300e-004	1.0100e-004
tblVehicleEF	LHD1	2.6630e-003	2.5030e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3580e-003	1.2970e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.21	0.20
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD2	3.0860e-003	3.0000e-003
tblVehicleEF	LHD2	3.5550e-003	3.2750e-003
tblVehicleEF	LHD2	8.4670e-003	7.9190e-003
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.48	0.44

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	LHD2	0.54	0.52
tblVehicleEF	LHD2	14.77	14.66
tblVehicleEF	LHD2	631.11	622.68
tblVehicleEF	LHD2	7.16	7.02
tblVehicleEF	LHD2	1.8990e-003	1.8890e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.61	1.45
tblVehicleEF	LHD2	0.18	0.18
tblVehicleEF	LHD2	1.4480e-003	1.4570e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	1.1000e-004	1.0600e-004
tblVehicleEF	LHD2	1.3860e-003	1.3940e-003
tblVehicleEF	LHD2	2.7130e-003	2.7150e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	1.0100e-004	9.7000e-005
tblVehicleEF	LHD2	1.6110e-003	1.5300e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.1800e-004	7.9000e-004
tblVehicleEF	LHD2	0.06	0.05
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	1.4100e-004	1.4000e-004
tblVehicleEF	LHD2	6.0810e-003	5.9990e-003
tblVehicleEF	LHD2	7.1000e-005	7.0000e-005
tblVehicleEF	LHD2	1.6110e-003	1.5300e-003

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.1800e-004	7.9000e-004
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	3.0930e-003	3.0070e-003
tblVehicleEF	LHD2	3.5800e-003	3.2970e-003
tblVehicleEF	LHD2	8.1830e-003	7.6530e-003
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.49	0.45
tblVehicleEF	LHD2	0.51	0.50
tblVehicleEF	LHD2	14.77	14.66
tblVehicleEF	LHD2	631.12	622.69
tblVehicleEF	LHD2	7.12	6.98
tblVehicleEF	LHD2	1.9000e-003	1.8910e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.52	1.37
tblVehicleEF	LHD2	0.18	0.17
tblVehicleEF	LHD2	1.4480e-003	1.4570e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	1.1000e-004	1.0600e-004
tblVehicleEF	LHD2	1.3860e-003	1.3940e-003
tblVehicleEF	LHD2	2.7130e-003	2.7150e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	1.0100e-004	9.7000e-005

Seaton Avenue/Perry Street Industrial Project
Data Attachment

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	LHD2	3.0380e-003	2.8830e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.5540e-003	1.4920e-003
tblVehicleEF	LHD2	0.06	0.05
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	1.4100e-004	1.4000e-004
tblVehicleEF	LHD2	6.0810e-003	5.9990e-003
tblVehicleEF	LHD2	7.0000e-005	6.9000e-005
tblVehicleEF	LHD2	3.0380e-003	2.8830e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.5540e-003	1.4920e-003
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	3.0850e-003	2.9980e-003
tblVehicleEF	LHD2	3.5470e-003	3.2690e-003
tblVehicleEF	LHD2	8.5290e-003	7.9760e-003
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.48	0.44
tblVehicleEF	LHD2	0.54	0.52
tblVehicleEF	LHD2	14.77	14.66
tblVehicleEF	LHD2	631.11	622.68
tblVehicleEF	LHD2	7.17	7.03
tblVehicleEF	LHD2	1.8990e-003	1.8890e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.01	0.01

Seaton Avenue/Perry Street Industrial Project
Data Attachment

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.59	1.44
tblVehicleEF	LHD2	0.18	0.18
tblVehicleEF	LHD2	1.4480e-003	1.4570e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	1.1000e-004	1.0600e-004
tblVehicleEF	LHD2	1.3860e-003	1.3940e-003
tblVehicleEF	LHD2	2.7130e-003	2.7150e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	1.0100e-004	9.7000e-005
tblVehicleEF	LHD2	1.2560e-003	1.1840e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8000e-004	6.5900e-004
tblVehicleEF	LHD2	0.06	0.05
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	1.4100e-004	1.4000e-004
tblVehicleEF	LHD2	6.0810e-003	5.9990e-003
tblVehicleEF	LHD2	7.1000e-005	7.0000e-005
tblVehicleEF	LHD2	1.2560e-003	1.1840e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8000e-004	6.5900e-004
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	MCY	0.32	0.32

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	MCY	0.24	0.24
tblVehicleEF	MCY	19.26	18.95
tblVehicleEF	MCY	8.57	8.59
tblVehicleEF	MCY	208.19	208.09
tblVehicleEF	MCY	60.41	60.09
tblVehicleEF	MCY	0.07	0.07
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.26	0.26
tblVehicleEF	MCY	1.8040e-003	1.8420e-003
tblVehicleEF	MCY	2.8470e-003	2.7900e-003
tblVehicleEF	MCY	1.6870e-003	1.7220e-003
tblVehicleEF	MCY	2.6790e-003	2.6220e-003
tblVehicleEF	MCY	1.66	1.67
tblVehicleEF	MCY	0.84	0.84
tblVehicleEF	MCY	0.90	0.90
tblVehicleEF	MCY	2.14	2.12
tblVehicleEF	MCY	0.49	0.49
tblVehicleEF	MCY	1.82	1.81
tblVehicleEF	MCY	2.0600e-003	2.0590e-003
tblVehicleEF	MCY	5.9800e-004	5.9500e-004
tblVehicleEF	MCY	1.66	1.67
tblVehicleEF	MCY	0.84	0.84
tblVehicleEF	MCY	0.90	0.90
tblVehicleEF	MCY	2.64	2.62
tblVehicleEF	MCY	0.49	0.49
tblVehicleEF	MCY	1.98	1.97
tblVehicleEF	MCY	0.32	0.31
tblVehicleEF	MCY	0.22	0.22

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	MCY	19.92	19.61
tblVehicleEF	MCY	8.00	8.00
tblVehicleEF	MCY	209.15	209.06
tblVehicleEF	MCY	58.86	58.52
tblVehicleEF	MCY	0.06	0.06
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	0.98	0.97
tblVehicleEF	MCY	0.25	0.25
tblVehicleEF	MCY	1.8040e-003	1.8420e-003
tblVehicleEF	MCY	2.8470e-003	2.7900e-003
tblVehicleEF	MCY	1.6870e-003	1.7220e-003
tblVehicleEF	MCY	2.6790e-003	2.6220e-003
tblVehicleEF	MCY	3.29	3.31
tblVehicleEF	MCY	1.24	1.24
tblVehicleEF	MCY	2.05	2.05
tblVehicleEF	MCY	2.12	2.10
tblVehicleEF	MCY	0.49	0.49
tblVehicleEF	MCY	1.62	1.62
tblVehicleEF	MCY	2.0700e-003	2.0690e-003
tblVehicleEF	MCY	5.8200e-004	5.7900e-004
tblVehicleEF	MCY	3.29	3.31
tblVehicleEF	MCY	1.24	1.24
tblVehicleEF	MCY	2.05	2.05
tblVehicleEF	MCY	2.61	2.60
tblVehicleEF	MCY	0.49	0.49
tblVehicleEF	MCY	1.77	1.76
tblVehicleEF	MCY	0.32	0.31
tblVehicleEF	MCY	0.24	0.24
tblVehicleEF	MCY	18.80	18.50

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	MCY	8.51	8.54
tblVehicleEF	MCY	207.43	207.36
tblVehicleEF	MCY	60.33	60.03
tblVehicleEF	MCY	0.06	0.06
tblVehicleEF	MCY	0.02	0.02
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.26	0.26
tblVehicleEF	MCY	1.8040e-003	1.8420e-003
tblVehicleEF	MCY	2.8470e-003	2.7900e-003
tblVehicleEF	MCY	1.6870e-003	1.7220e-003
tblVehicleEF	MCY	2.6790e-003	2.6220e-003
tblVehicleEF	MCY	1.59	1.59
tblVehicleEF	MCY	1.03	1.03
tblVehicleEF	MCY	0.73	0.73
tblVehicleEF	MCY	2.13	2.11
tblVehicleEF	MCY	0.56	0.55
tblVehicleEF	MCY	1.82	1.81
tblVehicleEF	MCY	2.0530e-003	2.0520e-003
tblVehicleEF	MCY	5.9700e-004	5.9400e-004
tblVehicleEF	MCY	1.59	1.59
tblVehicleEF	MCY	1.03	1.03
tblVehicleEF	MCY	0.73	0.73
tblVehicleEF	MCY	2.63	2.61
tblVehicleEF	MCY	0.56	0.55
tblVehicleEF	MCY	1.98	1.98
tblVehicleEF	MDV	4.9040e-003	4.3280e-003
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	1.05	0.95
tblVehicleEF	MDV	3.10	2.94

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	MDV	410.56	394.25
tblVehicleEF	MDV	86.31	82.79
tblVehicleEF	MDV	9.4770e-003	8.6840e-003
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.10	0.09
tblVehicleEF	MDV	0.36	0.33
tblVehicleEF	MDV	1.4930e-003	1.4170e-003
tblVehicleEF	MDV	1.9530e-003	1.8520e-003
tblVehicleEF	MDV	1.3770e-003	1.3070e-003
tblVehicleEF	MDV	1.7960e-003	1.7030e-003
tblVehicleEF	MDV	0.13	0.12
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.41	0.37
tblVehicleEF	MDV	4.0340e-003	3.8980e-003
tblVehicleEF	MDV	8.4900e-004	8.1900e-004
tblVehicleEF	MDV	0.13	0.12
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.44	0.41
tblVehicleEF	MDV	5.5890e-003	4.9300e-003
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	1.28	1.16
tblVehicleEF	MDV	2.73	2.59
tblVehicleEF	MDV	435.21	417.67

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	MDV	85.54	82.07
tblVehicleEF	MDV	9.0810e-003	8.3300e-003
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.10	0.08
tblVehicleEF	MDV	0.34	0.31
tblVehicleEF	MDV	1.4930e-003	1.4170e-003
tblVehicleEF	MDV	1.9530e-003	1.8520e-003
tblVehicleEF	MDV	1.3770e-003	1.3070e-003
tblVehicleEF	MDV	1.7960e-003	1.7030e-003
tblVehicleEF	MDV	0.25	0.24
tblVehicleEF	MDV	0.19	0.18
tblVehicleEF	MDV	0.20	0.20
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.35	0.32
tblVehicleEF	MDV	4.2760e-003	4.1290e-003
tblVehicleEF	MDV	8.4100e-004	8.1200e-004
tblVehicleEF	MDV	0.25	0.24
tblVehicleEF	MDV	0.19	0.18
tblVehicleEF	MDV	0.20	0.20
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.39	0.35
tblVehicleEF	MDV	4.7070e-003	4.1550e-003
tblVehicleEF	MDV	0.09	0.08
tblVehicleEF	MDV	0.98	0.89
tblVehicleEF	MDV	3.17	3.01
tblVehicleEF	MDV	403.17	387.19
tblVehicleEF	MDV	86.46	82.93

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	MDV	9.2510e-003	8.4810e-003
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.10	0.09
tblVehicleEF	MDV	0.36	0.33
tblVehicleEF	MDV	1.4930e-003	1.4170e-003
tblVehicleEF	MDV	1.9530e-003	1.8520e-003
tblVehicleEF	MDV	1.3770e-003	1.3070e-003
tblVehicleEF	MDV	1.7960e-003	1.7030e-003
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.42	0.38
tblVehicleEF	MDV	3.9610e-003	3.8280e-003
tblVehicleEF	MDV	8.5000e-004	8.2100e-004
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.46	0.42
tblVehicleEF	MH	9.2290e-003	8.3210e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.19	1.03
tblVehicleEF	MH	2.00	1.92
tblVehicleEF	MH	1,445.50	1,428.57
tblVehicleEF	MH	18.19	17.79
tblVehicleEF	MH	0.06	0.06

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.58	1.53
tblVehicleEF	MH	0.23	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.3700e-004	2.2500e-004
tblVehicleEF	MH	3.3020e-003	3.3070e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.1800e-004	2.0700e-004
tblVehicleEF	MH	1.20	1.12
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.42	0.40
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.09	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	1.8000e-004	1.7600e-004
tblVehicleEF	MH	1.20	1.12
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.42	0.40
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.10	0.10
tblVehicleEF	MH	9.4350e-003	8.5010e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.22	1.05
tblVehicleEF	MH	1.87	1.79
tblVehicleEF	MH	1,445.55	1,428.62
tblVehicleEF	MH	17.96	17.58

Seaton Avenue/Perry Street Industrial Project
Data Attachment

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.47	1.42
tblVehicleEF	MH	0.22	0.22
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.3700e-004	2.2500e-004
tblVehicleEF	MH	3.3020e-003	3.3070e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.1800e-004	2.0700e-004
tblVehicleEF	MH	2.19	2.05
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.83	0.78
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.09	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	1.7800e-004	1.7400e-004
tblVehicleEF	MH	2.19	2.05
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.83	0.78
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.10	0.09
tblVehicleEF	MH	9.2120e-003	8.3060e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.19	1.03
tblVehicleEF	MH	2.02	1.94
tblVehicleEF	MH	1,445.49	1,428.57

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	MH	18.21	17.81
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.56	1.51
tblVehicleEF	MH	0.23	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.3700e-004	2.2500e-004
tblVehicleEF	MH	3.3020e-003	3.3070e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.1800e-004	2.0700e-004
tblVehicleEF	MH	1.19	1.10
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.39
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.09	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	1.8000e-004	1.7600e-004
tblVehicleEF	MH	1.19	1.10
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.39
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.10	0.10
tblVehicleEF	MHD	3.1740e-003	3.2310e-003
tblVehicleEF	MHD	3.4150e-003	1.3290e-003
tblVehicleEF	MHD	8.4360e-003	8.5180e-003
tblVehicleEF	MHD	0.34	0.36

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	MHD	0.36	0.17
tblVehicleEF	MHD	0.98	0.97
tblVehicleEF	MHD	72.73	69.20
tblVehicleEF	MHD	972.64	939.42
tblVehicleEF	MHD	8.27	8.50
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.13	0.12
tblVehicleEF	MHD	6.1560e-003	6.4640e-003
tblVehicleEF	MHD	0.57	0.40
tblVehicleEF	MHD	1.55	0.90
tblVehicleEF	MHD	1.38	1.74
tblVehicleEF	MHD	1.4440e-003	4.2800e-004
tblVehicleEF	MHD	0.05	9.3850e-003
tblVehicleEF	MHD	9.5000e-005	9.6000e-005
tblVehicleEF	MHD	1.3820e-003	4.0900e-004
tblVehicleEF	MHD	0.04	8.9760e-003
tblVehicleEF	MHD	8.7000e-005	8.9000e-005
tblVehicleEF	MHD	6.7900e-004	6.5600e-004
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.4200e-004	3.3500e-004
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	6.9000e-004	6.5600e-004
tblVehicleEF	MHD	9.2620e-003	8.9480e-003
tblVehicleEF	MHD	8.2000e-005	8.4000e-005
tblVehicleEF	MHD	6.7900e-004	6.5600e-004
tblVehicleEF	MHD	0.02	0.02

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.4200e-004	3.3500e-004
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	3.0150e-003	3.0750e-003
tblVehicleEF	MHD	3.4390e-003	1.3500e-003
tblVehicleEF	MHD	8.1570e-003	8.2390e-003
tblVehicleEF	MHD	0.29	0.31
tblVehicleEF	MHD	0.36	0.18
tblVehicleEF	MHD	0.94	0.93
tblVehicleEF	MHD	73.65	69.18
tblVehicleEF	MHD	972.65	939.42
tblVehicleEF	MHD	8.20	8.42
tblVehicleEF	MHD	0.01	9.9870e-003
tblVehicleEF	MHD	0.13	0.12
tblVehicleEF	MHD	6.0920e-003	6.3950e-003
tblVehicleEF	MHD	0.57	0.39
tblVehicleEF	MHD	1.46	0.85
tblVehicleEF	MHD	1.38	1.74
tblVehicleEF	MHD	1.2200e-003	3.6400e-004
tblVehicleEF	MHD	0.05	9.3850e-003
tblVehicleEF	MHD	9.5000e-005	9.6000e-005
tblVehicleEF	MHD	1.1680e-003	3.4800e-004
tblVehicleEF	MHD	0.04	8.9760e-003
tblVehicleEF	MHD	8.7000e-005	8.9000e-005
tblVehicleEF	MHD	1.2990e-003	1.2520e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.02	0.02

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	MHD	6.6700e-004	6.4800e-004
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	6.9800e-004	6.5600e-004
tblVehicleEF	MHD	9.2620e-003	8.9480e-003
tblVehicleEF	MHD	8.1000e-005	8.3000e-005
tblVehicleEF	MHD	1.2990e-003	1.2520e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.6700e-004	6.4800e-004
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	3.4030e-003	3.4570e-003
tblVehicleEF	MHD	3.3980e-003	1.3140e-003
tblVehicleEF	MHD	8.5100e-003	8.5940e-003
tblVehicleEF	MHD	0.42	0.42
tblVehicleEF	MHD	0.36	0.17
tblVehicleEF	MHD	0.99	0.99
tblVehicleEF	MHD	71.45	69.22
tblVehicleEF	MHD	972.64	939.42
tblVehicleEF	MHD	8.30	8.52
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.13	0.12
tblVehicleEF	MHD	6.1960e-003	6.5070e-003
tblVehicleEF	MHD	0.56	0.41
tblVehicleEF	MHD	1.54	0.89
tblVehicleEF	MHD	1.38	1.74

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	MHD	1.7540e-003	5.1700e-004
tblVehicleEF	MHD	0.05	9.3850e-003
tblVehicleEF	MHD	9.5000e-005	9.6000e-005
tblVehicleEF	MHD	1.6780e-003	4.9400e-004
tblVehicleEF	MHD	0.04	8.9760e-003
tblVehicleEF	MHD	8.7000e-005	8.9000e-005
tblVehicleEF	MHD	5.2100e-004	4.9200e-004
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.7500e-004	2.6700e-004
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	6.7700e-004	6.5600e-004
tblVehicleEF	MHD	9.2610e-003	8.9480e-003
tblVehicleEF	MHD	8.2000e-005	8.4000e-005
tblVehicleEF	MHD	5.2100e-004	4.9200e-004
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	2.7500e-004	2.6700e-004
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	OBUS	8.6690e-003	8.5500e-003
tblVehicleEF	OBUS	6.2940e-003	4.7720e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.49	0.50
tblVehicleEF	OBUS	0.72	0.58
tblVehicleEF	OBUS	2.51	2.45

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	OBUS	71.08	68.17
tblVehicleEF	OBUS	1,371.04	1,337.43
tblVehicleEF	OBUS	20.56	20.30
tblVehicleEF	OBUS	9.0690e-003	8.6360e-003
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.33	0.25
tblVehicleEF	OBUS	1.20	0.81
tblVehicleEF	OBUS	0.66	0.73
tblVehicleEF	OBUS	5.9500e-004	8.2000e-005
tblVehicleEF	OBUS	0.02	7.9710e-003
tblVehicleEF	OBUS	1.9400e-004	1.9800e-004
tblVehicleEF	OBUS	5.6900e-004	7.8000e-005
tblVehicleEF	OBUS	0.02	7.6120e-003
tblVehicleEF	OBUS	1.7800e-004	1.8200e-004
tblVehicleEF	OBUS	2.6170e-003	2.6360e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	1.1260e-003	1.1390e-003
tblVehicleEF	OBUS	0.05	0.03
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.12	0.12
tblVehicleEF	OBUS	6.7800e-004	6.5100e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.0300e-004	2.0100e-004
tblVehicleEF	OBUS	2.6170e-003	2.6360e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	1.1260e-003	1.1390e-003

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	OBUS	0.06	0.04
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	8.7200e-003	8.6200e-003
tblVehicleEF	OBUS	6.4100e-003	4.8760e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.48	0.50
tblVehicleEF	OBUS	0.73	0.59
tblVehicleEF	OBUS	2.35	2.29
tblVehicleEF	OBUS	70.99	67.44
tblVehicleEF	OBUS	1,371.06	1,337.45
tblVehicleEF	OBUS	20.28	20.03
tblVehicleEF	OBUS	9.0610e-003	8.5270e-003
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.32	0.23
tblVehicleEF	OBUS	1.12	0.75
tblVehicleEF	OBUS	0.65	0.73
tblVehicleEF	OBUS	5.0500e-004	7.3000e-005
tblVehicleEF	OBUS	0.02	7.9710e-003
tblVehicleEF	OBUS	1.9400e-004	1.9800e-004
tblVehicleEF	OBUS	4.8300e-004	6.9000e-005
tblVehicleEF	OBUS	0.02	7.6120e-003
tblVehicleEF	OBUS	1.7800e-004	1.8200e-004
tblVehicleEF	OBUS	4.7670e-003	4.8010e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	2.1480e-003	2.1640e-003
tblVehicleEF	OBUS	0.05	0.03

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.12	0.11
tblVehicleEF	OBUS	6.7700e-004	6.4400e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.0100e-004	1.9800e-004
tblVehicleEF	OBUS	4.7670e-003	4.8010e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.07	0.06
tblVehicleEF	OBUS	2.1480e-003	2.1640e-003
tblVehicleEF	OBUS	0.06	0.04
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.13	0.12
tblVehicleEF	OBUS	8.6270e-003	8.4810e-003
tblVehicleEF	OBUS	6.2600e-003	4.7410e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.50	0.51
tblVehicleEF	OBUS	0.72	0.58
tblVehicleEF	OBUS	2.54	2.48
tblVehicleEF	OBUS	71.20	69.17
tblVehicleEF	OBUS	1,371.03	1,337.43
tblVehicleEF	OBUS	20.60	20.34
tblVehicleEF	OBUS	9.0880e-003	8.7930e-003
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.33	0.26
tblVehicleEF	OBUS	1.20	0.81
tblVehicleEF	OBUS	0.66	0.73
tblVehicleEF	OBUS	7.1900e-004	9.4000e-005
tblVehicleEF	OBUS	0.02	7.9710e-003

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	OBUS	1.9400e-004	1.9800e-004
tblVehicleEF	OBUS	6.8800e-004	9.0000e-005
tblVehicleEF	OBUS	0.02	7.6120e-003
tblVehicleEF	OBUS	1.7800e-004	1.8200e-004
tblVehicleEF	OBUS	2.3790e-003	2.3770e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	1.0720e-003	1.0810e-003
tblVehicleEF	OBUS	0.05	0.03
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.12	0.12
tblVehicleEF	OBUS	6.7900e-004	6.6000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.0400e-004	2.0100e-004
tblVehicleEF	OBUS	2.3790e-003	2.3770e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	1.0720e-003	1.0810e-003
tblVehicleEF	OBUS	0.06	0.04
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	SBUS	0.08	0.08
tblVehicleEF	SBUS	6.3720e-003	6.1380e-003
tblVehicleEF	SBUS	7.0630e-003	7.1540e-003
tblVehicleEF	SBUS	3.08	3.12
tblVehicleEF	SBUS	0.51	0.50
tblVehicleEF	SBUS	0.94	0.94
tblVehicleEF	SBUS	365.13	363.20
tblVehicleEF	SBUS	1,104.50	1,093.96

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	SBUS	6.09	6.12
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	6.8130e-003	6.9980e-003
tblVehicleEF	SBUS	3.47	3.37
tblVehicleEF	SBUS	4.62	4.43
tblVehicleEF	SBUS	0.75	0.81
tblVehicleEF	SBUS	3.7440e-003	3.4460e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.2000e-005	4.4000e-005
tblVehicleEF	SBUS	3.5820e-003	3.2970e-003
tblVehicleEF	SBUS	2.6500e-003	2.6490e-003
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	3.9000e-005	4.1000e-005
tblVehicleEF	SBUS	1.4040e-003	1.5010e-003
tblVehicleEF	SBUS	9.3180e-003	0.01
tblVehicleEF	SBUS	0.36	0.37
tblVehicleEF	SBUS	6.7500e-004	7.2500e-004
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4880e-003	3.4700e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.0000e-005	6.1000e-005
tblVehicleEF	SBUS	1.4040e-003	1.5010e-003
tblVehicleEF	SBUS	9.3180e-003	0.01
tblVehicleEF	SBUS	0.52	0.53
tblVehicleEF	SBUS	6.7500e-004	7.2500e-004

Seaton Avenue/Perry Street Industrial Project
Data Attachment

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.04	0.05
tblVehicleEF	SBUS	0.08	0.08
tblVehicleEF	SBUS	6.4450e-003	6.2090e-003
tblVehicleEF	SBUS	5.9200e-003	5.9970e-003
tblVehicleEF	SBUS	3.04	3.09
tblVehicleEF	SBUS	0.52	0.50
tblVehicleEF	SBUS	0.68	0.68
tblVehicleEF	SBUS	374.76	372.25
tblVehicleEF	SBUS	1,104.52	1,093.97
tblVehicleEF	SBUS	5.66	5.68
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	6.5890e-003	6.7690e-003
tblVehicleEF	SBUS	3.55	3.45
tblVehicleEF	SBUS	4.35	4.17
tblVehicleEF	SBUS	0.75	0.80
tblVehicleEF	SBUS	3.1630e-003	2.9130e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.2000e-005	4.4000e-005
tblVehicleEF	SBUS	3.0260e-003	2.7870e-003
tblVehicleEF	SBUS	2.6500e-003	2.6490e-003
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	3.9000e-005	4.1000e-005
tblVehicleEF	SBUS	2.5310e-003	2.7020e-003
tblVehicleEF	SBUS	9.8380e-003	0.01
tblVehicleEF	SBUS	0.36	0.37

Seaton Avenue/Perry Street Industrial Project
Data Attachment

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	SBUS	1.2510e-003	1.3370e-003
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	3.5790e-003	3.5550e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	2.5310e-003	2.7020e-003
tblVehicleEF	SBUS	9.8380e-003	0.01
tblVehicleEF	SBUS	0.52	0.53
tblVehicleEF	SBUS	1.2510e-003	1.3370e-003
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	0.08	0.08
tblVehicleEF	SBUS	6.3640e-003	6.1310e-003
tblVehicleEF	SBUS	7.3130e-003	7.4110e-003
tblVehicleEF	SBUS	3.13	3.17
tblVehicleEF	SBUS	0.51	0.50
tblVehicleEF	SBUS	0.98	0.98
tblVehicleEF	SBUS	351.83	350.71
tblVehicleEF	SBUS	1,104.50	1,093.96
tblVehicleEF	SBUS	6.17	6.19
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	6.9070e-003	7.0960e-003
tblVehicleEF	SBUS	3.35	3.26
tblVehicleEF	SBUS	4.59	4.40
tblVehicleEF	SBUS	0.75	0.81
tblVehicleEF	SBUS	4.5460e-003	4.1830e-003

Seaton Avenue/Perry Street Industrial Project
Data Attachment

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.2000e-005	4.4000e-005
tblVehicleEF	SBUS	4.3490e-003	4.0020e-003
tblVehicleEF	SBUS	2.6500e-003	2.6490e-003
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	3.9000e-005	4.1000e-005
tblVehicleEF	SBUS	1.2200e-003	1.2920e-003
tblVehicleEF	SBUS	9.5110e-003	0.01
tblVehicleEF	SBUS	0.36	0.37
tblVehicleEF	SBUS	6.5000e-004	6.9700e-004
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.3620e-003	3.3520e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.2200e-003	1.2920e-003
tblVehicleEF	SBUS	9.5110e-003	0.01
tblVehicleEF	SBUS	0.52	0.53
tblVehicleEF	SBUS	6.5000e-004	6.9700e-004
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	UBUS	3.35	3.35
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	26.06	26.09
tblVehicleEF	UBUS	1.47	1.44
tblVehicleEF	UBUS	1,617.41	1,610.65
tblVehicleEF	UBUS	18.02	17.72

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	UBUS	0.23	0.23
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.32	0.32
tblVehicleEF	UBUS	0.18	0.17
tblVehicleEF	UBUS	2.9840e-003	2.7900e-003
tblVehicleEF	UBUS	1.6200e-004	1.7300e-004
tblVehicleEF	UBUS	2.8400e-003	2.6530e-003
tblVehicleEF	UBUS	1.4900e-004	1.5900e-004
tblVehicleEF	UBUS	1.3840e-003	1.4420e-003
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	8.4400e-004	8.8500e-004
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	1.7120e-003	1.7160e-003
tblVehicleEF	UBUS	0.08	0.07
tblVehicleEF	UBUS	4.8660e-003	4.8150e-003
tblVehicleEF	UBUS	1.7800e-004	1.7500e-004
tblVehicleEF	UBUS	1.3840e-003	1.4420e-003
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	8.4400e-004	8.8500e-004
tblVehicleEF	UBUS	3.43	3.43
tblVehicleEF	UBUS	1.7120e-003	1.7160e-003
tblVehicleEF	UBUS	0.08	0.08
tblVehicleEF	UBUS	3.35	3.35
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	26.06	26.09
tblVehicleEF	UBUS	1.25	1.22
tblVehicleEF	UBUS	1,617.41	1,610.66
tblVehicleEF	UBUS	17.65	17.36
tblVehicleEF	UBUS	0.23	0.23

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.31	0.31
tblVehicleEF	UBUS	0.17	0.16
tblVehicleEF	UBUS	2.9840e-003	2.7900e-003
tblVehicleEF	UBUS	1.6200e-004	1.7300e-004
tblVehicleEF	UBUS	2.8400e-003	2.6530e-003
tblVehicleEF	UBUS	1.4900e-004	1.5900e-004
tblVehicleEF	UBUS	2.4580e-003	2.5600e-003
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	1.6790e-003	1.7490e-003
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	1.6590e-003	1.6650e-003
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	4.8660e-003	4.8150e-003
tblVehicleEF	UBUS	1.7500e-004	1.7200e-004
tblVehicleEF	UBUS	2.4580e-003	2.5600e-003
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	1.6790e-003	1.7490e-003
tblVehicleEF	UBUS	3.43	3.43
tblVehicleEF	UBUS	1.6590e-003	1.6650e-003
tblVehicleEF	UBUS	0.08	0.07
tblVehicleEF	UBUS	3.35	3.35
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	26.06	26.09
tblVehicleEF	UBUS	1.46	1.42
tblVehicleEF	UBUS	1,617.41	1,610.65
tblVehicleEF	UBUS	18.00	17.70
tblVehicleEF	UBUS	0.23	0.23
tblVehicleEF	UBUS	0.02	0.02

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

tblVehicleEF	UBUS	0.32	0.31
tblVehicleEF	UBUS	0.18	0.17
tblVehicleEF	UBUS	2.9840e-003	2.7900e-003
tblVehicleEF	UBUS	1.6200e-004	1.7300e-004
tblVehicleEF	UBUS	2.8400e-003	2.6530e-003
tblVehicleEF	UBUS	1.4900e-004	1.5900e-004
tblVehicleEF	UBUS	1.4140e-003	1.4610e-003
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	8.8500e-004	9.2700e-004
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	2.0100e-003	2.0030e-003
tblVehicleEF	UBUS	0.08	0.07
tblVehicleEF	UBUS	4.8660e-003	4.8150e-003
tblVehicleEF	UBUS	1.7800e-004	1.7500e-004
tblVehicleEF	UBUS	1.4140e-003	1.4610e-003
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	8.8500e-004	9.2700e-004
tblVehicleEF	UBUS	3.43	3.43
tblVehicleEF	UBUS	2.0100e-003	2.0030e-003
tblVehicleEF	UBUS	0.08	0.08
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	CNW_TTP	41.00	100.00
tblVehicleTrips	CNW_TTP	41.00	100.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	59.00	0.00

Seaton Avenue/Perry Street Industrial Project - Haul 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	CW_TTP	59.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.12	0.67
tblVehicleTrips	ST_TR	1.74	0.67
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	2.12	0.67
tblVehicleTrips	SU_TR	1.74	0.67
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	2.12	0.67
tblVehicleTrips	WD_TR	1.74	0.67
tblWater	IndoorWaterUseRate	4,576,437.50	0.00
tblWater	IndoorWaterUseRate	18,303,437.50	0.00
tblWater	OutdoorWaterUseRate	1,882,540.53	0.00

2.0 Emissions Summary

Seaton Avenue/Perry Street Industrial Project - Haul 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	0.0000	0.0000	0.0000	0.0000	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	lb/day										lb/day					
2022	0.0000	0.0000	0.0000	0.0000	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

Seaton Avenue/Perry Street Industrial Project - Haul 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

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	1.0100e-003	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.1584	10.5249	2.0992	0.0654	2.3951	0.1287	2.5238	0.6755	0.1231	0.7986		6,956.881 1	6,956.881 1	0.0773	1.0560	7,273.488 3
Stationary	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	0.1594	10.5250	2.1101	0.0654	2.3951	0.1287	2.5238	0.6755	0.1231	0.7986		6,956.904 3	6,956.904 3	0.0773	1.0560	7,273.513 0

Seaton Avenue/Perry Street Industrial Project - Haul 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	1.0100e-003	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.1584	10.5249	2.0992	0.0654	2.3951	0.1287	2.5238	0.6755	0.1231	0.7986		6,956.8811	6,956.8811	0.0773	1.0560	7,273.4883
Stationary	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	0.1594	10.5250	2.1101	0.0654	2.3951	0.1287	2.5238	0.6755	0.1231	0.7986		6,956.9043	6,956.9043	0.0773	1.0560	7,273.5130

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/3/2022	1/2/2022	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0
 Seaton Avenue/Perry Street Industrial Project
 Data Attachment

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

Acres of Paving: 5.57

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Crawler Tractors	0	8.00	212	0.43
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

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

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Seaton Avenue/Perry Street Industrial Project - Haul 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 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	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

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	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

Seaton Avenue/Perry Street Industrial Project - Haul 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 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	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

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

Seaton Avenue/Perry Street Industrial Project - Haul 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	0.1584	10.5249	2.0992	0.0654	2.3951	0.1287	2.5238	0.6755	0.1231	0.7986		6,956.881 1	6,956.881 1	0.0773	1.0560	7,273.488 3
Unmitigated	0.1584	10.5249	2.0992	0.0654	2.3951	0.1287	2.5238	0.6755	0.1231	0.7986		6,956.881 1	6,956.881 1	0.0773	1.0560	7,273.488 3

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		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	13.26	13.26	13.26	193,055	193,055
Unrefrigerated Warehouse-No Rail	53.03	53.03	53.03	772,124	772,124
Total	66.29	66.29	66.29	965,179	965,179

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
Other Asphalt Surfaces	0.00	0.00	6.90	0.00	0.00	0.00	0	0	0

Seaton Avenue/Perry Street Industrial Project - Haul 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
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	40.00	40.00	40.00	0.00	0.00	100.00	100	0	0
Unrefrigerated Warehouse-No	40.00	40.00	40.00	0.00	0.00	100.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Asphalt Surfaces	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Parking Lot	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Refrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.290000	0.710000	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.290000	0.710000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Seaton Avenue/Perry Street Industrial Project - Haul 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					
Natural Gas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Natural Gas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - Natural Gas

Unmitigated

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

Seaton Avenue/Perry Street Industrial Project - Haul 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 - 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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Seaton Avenue/Perry Street Industrial Project - Haul 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	1.0100e-003	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248
Unmitigated	1.0100e-003	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0100e-003	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248
Total	1.0100e-003	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248

Seaton Avenue/Perry Street Industrial Project - Haul 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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0100e-003	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248
Total	1.0100e-003	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248

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
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10.0 Stationary Equipment

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Winter

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

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Fire Pump	0	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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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)	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

11.0 Vegetation

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

Seaton Avenue/Perry Street Industrial Project - Haul Trucks

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	19.79	1000sqft	0.45	19,790.00	0
Unrefrigerated Warehouse-No Rail	79.15	1000sqft	1.82	79,150.00	0
Other Asphalt Surfaces	3.31	Acre	3.31	144,183.60	0
Parking Lot	2.26	Acre	2.26	98,445.60	0
City Park	1.58	Acre	1.58	68,824.80	0

1.2 Other Project Characteristics

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

1.3 User Entered Comments & Non-Default Data

Project Characteristics -
 Land Use -
 Construction Phase - Operations Only
 Off-road Equipment -
 Off-road Equipment - OPerations Only
 Grading - Grading requires 37,400 cy cut and 16,540 cy fill with export of 20,860 cy

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - 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 - Trip rate for LDA+LDT+MDT+LHDT

Total trip rate = 4.96 trips/day

MHDT+HHDT = 13.4% of total trips = 0.665 trips/day

Trip distance for haul trucks = 40 miles

Consumer Products - Haul Truck OPERations Only

Area Coating - Haul Truck OPERations Only

Landscape Equipment - Haul Truck OPERations Only

Energy Use - Haul Truck OPERations Only

Water And Wastewater - Haul Truck OPERations Only

Solid Waste - Haul Truck OPERations Only

Construction Off-road Equipment Mitigation - Dust mitigation = 74% control with watering with 2 hour watering interval as per the Western Regional Air Partnership

Fugitive Dust Handbook (Table 3.7)

https://www.env.nm.gov/wp-content/uploads/sites/2/2017/02/WRAP_FDHandbook_Rev_06.pdf

Fleet Mix - Fleet Mix derived from Traffic Impact Study and CalEEMod fleet mix

Stationary Sources - Emergency Generators and Fire Pumps - Haul Truck OPERations Only

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	PhaseEndDate	1/14/2022	1/2/2022
tblConsumerProducts	ROG_EF	1.98E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	2.37	0.00
tblEnergyUse	LightingElect	1.17	0.00
tblEnergyUse	NT24E	36.52	0.00
tblEnergyUse	NT24E	0.82	0.00
tblEnergyUse	NT24NG	48.51	0.00

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblEnergyUse	NT24NG	0.03	0.00
tblEnergyUse	T24E	0.95	0.00
tblEnergyUse	T24E	0.33	0.00
tblEnergyUse	T24NG	3.22	0.00
tblEnergyUse	T24NG	1.98	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.71
tblFleetMix	HHD	0.02	0.71
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDA	0.53	0.00
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	LDT1	0.06	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	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00

Seaton Avenue/Perry Street Industrial Project - Haul 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	LHD1	0.03	0.00
tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MCY	0.02	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	MDV	0.14	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.29
tblFleetMix	MHD	0.01	0.29
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	OBUS	6.3000e-004	0.00

Seaton Avenue/Perry Street Industrial Project - Haul 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	OBUS	6.3000e-004	0.00
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblLandscapeEquipment	NumberSummerDays	250	1
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblSolidWaste	SolidWasteGenerationRate	0.14	0.00
tblSolidWaste	SolidWasteGenerationRate	18.60	0.00
tblSolidWaste	SolidWasteGenerationRate	74.40	0.00
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	7.94	8.39
tblVehicleEF	HHD	0.25	0.21
tblVehicleEF	HHD	2.7310e-003	2.6410e-003
tblVehicleEF	HHD	1,427.19	1,374.55
tblVehicleEF	HHD	1,313.58	1,256.69
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.22	0.22
tblVehicleEF	HHD	0.21	0.20
tblVehicleEF	HHD	7.34	6.82

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	HHD	2.57	1.92
tblVehicleEF	HHD	2.17	2.40
tblVehicleEF	HHD	3.4450e-003	2.7370e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	3.2960e-003	2.6180e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8960e-003	8.8950e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	2.0000e-006	1.0000e-006
tblVehicleEF	HHD	6.0000e-005	5.3000e-005
tblVehicleEF	HHD	0.57	0.57
tblVehicleEF	HHD	0.04	0.02
tblVehicleEF	HHD	2.3000e-005	2.0000e-005
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0000e-006	1.0000e-006
tblVehicleEF	HHD	6.0000e-005	5.3000e-005
tblVehicleEF	HHD	0.65	0.65
tblVehicleEF	HHD	0.06	0.04
tblVehicleEF	HHD	2.3000e-005	2.0000e-005
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	7.79	8.28
tblVehicleEF	HHD	0.25	0.21
tblVehicleEF	HHD	2.5850e-003	2.5010e-003
tblVehicleEF	HHD	1,418.27	1,357.07
tblVehicleEF	HHD	1,313.58	1,256.69

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.22	0.21
tblVehicleEF	HHD	0.21	0.20
tblVehicleEF	HHD	3.0000e-006	2.0000e-006
tblVehicleEF	HHD	7.07	6.49
tblVehicleEF	HHD	2.42	1.81
tblVehicleEF	HHD	2.17	2.40
tblVehicleEF	HHD	3.0680e-003	2.4170e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	2.9360e-003	2.3130e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8960e-003	8.8950e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	6.7000e-005	5.8000e-005
tblVehicleEF	HHD	0.60	0.60
tblVehicleEF	HHD	0.04	0.02
tblVehicleEF	HHD	2.3000e-005	2.0000e-005
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	6.7000e-005	5.8000e-005
tblVehicleEF	HHD	0.68	0.69
tblVehicleEF	HHD	0.06	0.04
tblVehicleEF	HHD	2.3000e-005	2.0000e-005
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	8.15	8.55
tblVehicleEF	HHD	0.25	0.21

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	HHD	2.7200e-003	2.6330e-003
tblVehicleEF	HHD	1,439.51	1,398.70
tblVehicleEF	HHD	1,313.58	1,256.69
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.23	0.22
tblVehicleEF	HHD	0.21	0.20
tblVehicleEF	HHD	7.71	7.27
tblVehicleEF	HHD	2.55	1.91
tblVehicleEF	HHD	2.17	2.40
tblVehicleEF	HHD	3.9650e-003	3.1780e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	3.7930e-003	3.0400e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8960e-003	8.8950e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	2.0000e-006	1.0000e-006
tblVehicleEF	HHD	6.7000e-005	5.8000e-005
tblVehicleEF	HHD	0.53	0.52
tblVehicleEF	HHD	0.04	0.02
tblVehicleEF	HHD	2.4000e-005	2.1000e-005
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0000e-006	1.0000e-006
tblVehicleEF	HHD	6.7000e-005	5.8000e-005
tblVehicleEF	HHD	0.60	0.60
tblVehicleEF	HHD	0.06	0.04
tblVehicleEF	HHD	2.4000e-005	2.1000e-005

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	LDA	2.1670e-003	1.9160e-003
tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.61	0.57
tblVehicleEF	LDA	2.07	2.00
tblVehicleEF	LDA	259.71	250.08
tblVehicleEF	LDA	53.48	51.54
tblVehicleEF	LDA	4.4370e-003	4.1520e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.18	0.17
tblVehicleEF	LDA	1.3740e-003	1.3020e-003
tblVehicleEF	LDA	1.8360e-003	1.7530e-003
tblVehicleEF	LDA	1.2660e-003	1.1990e-003
tblVehicleEF	LDA	1.6880e-003	1.6120e-003
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	8.1920e-003	7.0950e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.21	0.19
tblVehicleEF	LDA	2.5530e-003	2.4740e-003
tblVehicleEF	LDA	5.2600e-004	5.1000e-004
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.23	0.21
tblVehicleEF	LDA	2.4690e-003	2.1830e-003

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.75	0.70
tblVehicleEF	LDA	1.82	1.77
tblVehicleEF	LDA	282.39	271.87
tblVehicleEF	LDA	53.01	51.08
tblVehicleEF	LDA	4.2270e-003	3.9570e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.17	0.16
tblVehicleEF	LDA	1.3740e-003	1.3020e-003
tblVehicleEF	LDA	1.8360e-003	1.7530e-003
tblVehicleEF	LDA	1.2660e-003	1.1990e-003
tblVehicleEF	LDA	1.6880e-003	1.6120e-003
tblVehicleEF	LDA	0.13	0.12
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	9.2580e-003	8.0120e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.18	0.17
tblVehicleEF	LDA	2.7760e-003	2.6900e-003
tblVehicleEF	LDA	5.2100e-004	5.0600e-004
tblVehicleEF	LDA	0.13	0.12
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.20	0.18
tblVehicleEF	LDA	2.0910e-003	1.8500e-003
tblVehicleEF	LDA	0.05	0.05

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	LDA	0.57	0.54
tblVehicleEF	LDA	2.11	2.04
tblVehicleEF	LDA	253.49	244.11
tblVehicleEF	LDA	53.57	51.61
tblVehicleEF	LDA	4.3050e-003	4.0290e-003
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.18	0.17
tblVehicleEF	LDA	1.3740e-003	1.3020e-003
tblVehicleEF	LDA	1.8360e-003	1.7530e-003
tblVehicleEF	LDA	1.2660e-003	1.1990e-003
tblVehicleEF	LDA	1.6880e-003	1.6120e-003
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	7.9110e-003	6.8540e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.21	0.19
tblVehicleEF	LDA	2.4920e-003	2.4150e-003
tblVehicleEF	LDA	5.2700e-004	5.1100e-004
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.01	9.9630e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.23	0.21
tblVehicleEF	LDT1	6.9370e-003	5.9940e-003
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	1.43	1.27

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	LDT1	2.34	2.24
tblVehicleEF	LDT1	310.06	299.04
tblVehicleEF	LDT1	65.12	62.77
tblVehicleEF	LDT1	9.2710e-003	8.2700e-003
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT1	0.28	0.26
tblVehicleEF	LDT1	2.0960e-003	1.9160e-003
tblVehicleEF	LDT1	2.7320e-003	2.5270e-003
tblVehicleEF	LDT1	1.9290e-003	1.7630e-003
tblVehicleEF	LDT1	2.5120e-003	2.3230e-003
tblVehicleEF	LDT1	0.21	0.19
tblVehicleEF	LDT1	0.25	0.23
tblVehicleEF	LDT1	0.14	0.13
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.39	0.35
tblVehicleEF	LDT1	3.0480e-003	2.9590e-003
tblVehicleEF	LDT1	6.4000e-004	6.2100e-004
tblVehicleEF	LDT1	0.21	0.19
tblVehicleEF	LDT1	0.25	0.23
tblVehicleEF	LDT1	0.14	0.13
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.43	0.39
tblVehicleEF	LDT1	7.8400e-003	6.7740e-003
tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	1.74	1.54
tblVehicleEF	LDT1	2.07	1.99

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	LDT1	334.19	322.22
tblVehicleEF	LDT1	64.52	62.22
tblVehicleEF	LDT1	8.8090e-003	7.8610e-003
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.27	0.25
tblVehicleEF	LDT1	2.0960e-003	1.9160e-003
tblVehicleEF	LDT1	2.7320e-003	2.5270e-003
tblVehicleEF	LDT1	1.9290e-003	1.7630e-003
tblVehicleEF	LDT1	2.5120e-003	2.3230e-003
tblVehicleEF	LDT1	0.40	0.37
tblVehicleEF	LDT1	0.31	0.28
tblVehicleEF	LDT1	0.27	0.25
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.34	0.31
tblVehicleEF	LDT1	3.2860e-003	3.1890e-003
tblVehicleEF	LDT1	6.3400e-004	6.1600e-004
tblVehicleEF	LDT1	0.40	0.37
tblVehicleEF	LDT1	0.31	0.28
tblVehicleEF	LDT1	0.27	0.25
tblVehicleEF	LDT1	0.05	0.04
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.38	0.34
tblVehicleEF	LDT1	6.6720e-003	5.7650e-003
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	1.34	1.19
tblVehicleEF	LDT1	2.39	2.30
tblVehicleEF	LDT1	302.73	292.00

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	LDT1	65.25	62.89
tblVehicleEF	LDT1	9.0390e-003	8.0620e-003
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.28	0.26
tblVehicleEF	LDT1	2.0960e-003	1.9160e-003
tblVehicleEF	LDT1	2.7320e-003	2.5270e-003
tblVehicleEF	LDT1	1.9290e-003	1.7630e-003
tblVehicleEF	LDT1	2.5120e-003	2.3230e-003
tblVehicleEF	LDT1	0.17	0.16
tblVehicleEF	LDT1	0.28	0.25
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.41	0.36
tblVehicleEF	LDT1	2.9760e-003	2.8900e-003
tblVehicleEF	LDT1	6.4200e-004	6.2200e-004
tblVehicleEF	LDT1	0.17	0.16
tblVehicleEF	LDT1	0.28	0.25
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.44	0.40
tblVehicleEF	LDT2	3.7850e-003	3.3780e-003
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.90	0.83
tblVehicleEF	LDT2	2.64	2.54
tblVehicleEF	LDT2	328.68	314.65
tblVehicleEF	LDT2	69.36	66.37

Seaton Avenue/Perry Street Industrial Project
Data Attachment

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	LDT2	6.7960e-003	6.2000e-003
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.08	0.07
tblVehicleEF	LDT2	0.28	0.25
tblVehicleEF	LDT2	1.4270e-003	1.3600e-003
tblVehicleEF	LDT2	1.8750e-003	1.7980e-003
tblVehicleEF	LDT2	1.3130e-003	1.2520e-003
tblVehicleEF	LDT2	1.7240e-003	1.6530e-003
tblVehicleEF	LDT2	0.11	0.10
tblVehicleEF	LDT2	0.13	0.13
tblVehicleEF	LDT2	0.09	0.08
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.31	0.28
tblVehicleEF	LDT2	3.2310e-003	3.1130e-003
tblVehicleEF	LDT2	6.8200e-004	6.5700e-004
tblVehicleEF	LDT2	0.11	0.10
tblVehicleEF	LDT2	0.13	0.13
tblVehicleEF	LDT2	0.09	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.33	0.31
tblVehicleEF	LDT2	4.3030e-003	3.8410e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	1.10	1.02
tblVehicleEF	LDT2	2.34	2.25
tblVehicleEF	LDT2	351.89	336.75
tblVehicleEF	LDT2	68.74	65.79
tblVehicleEF	LDT2	6.4890e-003	5.9220e-003

Seaton Avenue/Perry Street Industrial Project
Data Attachment

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.27	0.25
tblVehicleEF	LDT2	1.4270e-003	1.3600e-003
tblVehicleEF	LDT2	1.8750e-003	1.7980e-003
tblVehicleEF	LDT2	1.3130e-003	1.2520e-003
tblVehicleEF	LDT2	1.7240e-003	1.6530e-003
tblVehicleEF	LDT2	0.21	0.20
tblVehicleEF	LDT2	0.16	0.15
tblVehicleEF	LDT2	0.16	0.15
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.27	0.25
tblVehicleEF	LDT2	3.4590e-003	3.3320e-003
tblVehicleEF	LDT2	6.7600e-004	6.5100e-004
tblVehicleEF	LDT2	0.21	0.20
tblVehicleEF	LDT2	0.16	0.15
tblVehicleEF	LDT2	0.16	0.15
tblVehicleEF	LDT2	0.03	0.02
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.29	0.27
tblVehicleEF	LDT2	3.6320e-003	3.2420e-003
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.84	0.77
tblVehicleEF	LDT2	2.71	2.61
tblVehicleEF	LDT2	321.63	307.92
tblVehicleEF	LDT2	69.49	66.50
tblVehicleEF	LDT2	6.6180e-003	6.0380e-003
tblVehicleEF	LDT2	0.03	0.03

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	LDT2	0.08	0.07
tblVehicleEF	LDT2	0.28	0.26
tblVehicleEF	LDT2	1.4270e-003	1.3600e-003
tblVehicleEF	LDT2	1.8750e-003	1.7980e-003
tblVehicleEF	LDT2	1.3130e-003	1.2520e-003
tblVehicleEF	LDT2	1.7240e-003	1.6530e-003
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.13
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.31	0.29
tblVehicleEF	LDT2	3.1620e-003	3.0460e-003
tblVehicleEF	LDT2	6.8300e-004	6.5800e-004
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.13
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.34	0.32
tblVehicleEF	LHD1	4.7600e-003	4.6360e-003
tblVehicleEF	LHD1	4.8390e-003	4.3560e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.17	0.17
tblVehicleEF	LHD1	0.66	0.59
tblVehicleEF	LHD1	0.93	0.90
tblVehicleEF	LHD1	9.38	9.30
tblVehicleEF	LHD1	632.13	623.59
tblVehicleEF	LHD1	10.36	10.19

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	LHD1	8.8800e-004	8.8600e-004
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.46	1.31
tblVehicleEF	LHD1	0.30	0.29
tblVehicleEF	LHD1	9.7900e-004	9.8800e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	9.8650e-003
tblVehicleEF	LHD1	2.2300e-004	2.1400e-004
tblVehicleEF	LHD1	9.3700e-004	9.4600e-004
tblVehicleEF	LHD1	2.5040e-003	2.5060e-003
tblVehicleEF	LHD1	9.9950e-003	9.4190e-003
tblVehicleEF	LHD1	2.0500e-004	1.9700e-004
tblVehicleEF	LHD1	3.0170e-003	2.8510e-003
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.4960e-003	1.4280e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.19	0.19
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	9.1000e-005	9.0000e-005
tblVehicleEF	LHD1	6.1480e-003	6.0650e-003
tblVehicleEF	LHD1	1.0300e-004	1.0100e-004
tblVehicleEF	LHD1	3.0170e-003	2.8510e-003
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.4960e-003	1.4280e-003
tblVehicleEF	LHD1	0.07	0.06

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	LHD1	0.19	0.19
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	4.7720e-003	4.6470e-003
tblVehicleEF	LHD1	4.9170e-003	4.4230e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.17	0.17
tblVehicleEF	LHD1	0.67	0.60
tblVehicleEF	LHD1	0.88	0.86
tblVehicleEF	LHD1	9.38	9.30
tblVehicleEF	LHD1	632.14	623.61
tblVehicleEF	LHD1	10.28	10.11
tblVehicleEF	LHD1	8.9000e-004	8.8800e-004
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.37	1.24
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	9.7900e-004	9.8800e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	9.8650e-003
tblVehicleEF	LHD1	2.2300e-004	2.1400e-004
tblVehicleEF	LHD1	9.3700e-004	9.4600e-004
tblVehicleEF	LHD1	2.5040e-003	2.5060e-003
tblVehicleEF	LHD1	9.9950e-003	9.4190e-003
tblVehicleEF	LHD1	2.0500e-004	1.9700e-004
tblVehicleEF	LHD1	5.6440e-003	5.3200e-003
tblVehicleEF	LHD1	0.09	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.8600e-003	2.7140e-003

Seaton Avenue/Perry Street Industrial Project
Data Attachment

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.20	0.19
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	9.1000e-005	9.0000e-005
tblVehicleEF	LHD1	6.1480e-003	6.0650e-003
tblVehicleEF	LHD1	1.0200e-004	1.0000e-004
tblVehicleEF	LHD1	5.6440e-003	5.3200e-003
tblVehicleEF	LHD1	0.09	0.09
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.8600e-003	2.7140e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.20	0.19
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	4.7590e-003	4.6350e-003
tblVehicleEF	LHD1	4.8280e-003	4.3480e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.17	0.17
tblVehicleEF	LHD1	0.66	0.59
tblVehicleEF	LHD1	0.93	0.90
tblVehicleEF	LHD1	9.38	9.30
tblVehicleEF	LHD1	632.12	623.59
tblVehicleEF	LHD1	10.37	10.19
tblVehicleEF	LHD1	8.8800e-004	8.8600e-004
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.44	1.30
tblVehicleEF	LHD1	0.30	0.29
tblVehicleEF	LHD1	9.7900e-004	9.8800e-004

Seaton Avenue/Perry Street Industrial Project
Data Attachment

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	9.8650e-003
tblVehicleEF	LHD1	2.2300e-004	2.1400e-004
tblVehicleEF	LHD1	9.3700e-004	9.4600e-004
tblVehicleEF	LHD1	2.5040e-003	2.5060e-003
tblVehicleEF	LHD1	9.9950e-003	9.4190e-003
tblVehicleEF	LHD1	2.0500e-004	1.9700e-004
tblVehicleEF	LHD1	2.6630e-003	2.5030e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.3580e-003	1.2970e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.21	0.20
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	9.1000e-005	9.0000e-005
tblVehicleEF	LHD1	6.1480e-003	6.0650e-003
tblVehicleEF	LHD1	1.0300e-004	1.0100e-004
tblVehicleEF	LHD1	2.6630e-003	2.5030e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3580e-003	1.2970e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.21	0.20
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD2	3.0860e-003	3.0000e-003
tblVehicleEF	LHD2	3.5550e-003	3.2750e-003
tblVehicleEF	LHD2	8.4670e-003	7.9190e-003
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.48	0.44

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	LHD2	0.54	0.52
tblVehicleEF	LHD2	14.77	14.66
tblVehicleEF	LHD2	631.11	622.68
tblVehicleEF	LHD2	7.16	7.02
tblVehicleEF	LHD2	1.8990e-003	1.8890e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.61	1.45
tblVehicleEF	LHD2	0.18	0.18
tblVehicleEF	LHD2	1.4480e-003	1.4570e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	1.1000e-004	1.0600e-004
tblVehicleEF	LHD2	1.3860e-003	1.3940e-003
tblVehicleEF	LHD2	2.7130e-003	2.7150e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	1.0100e-004	9.7000e-005
tblVehicleEF	LHD2	1.6110e-003	1.5300e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.1800e-004	7.9000e-004
tblVehicleEF	LHD2	0.06	0.05
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	1.4100e-004	1.4000e-004
tblVehicleEF	LHD2	6.0810e-003	5.9990e-003
tblVehicleEF	LHD2	7.1000e-005	7.0000e-005
tblVehicleEF	LHD2	1.6110e-003	1.5300e-003

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.1800e-004	7.9000e-004
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	3.0930e-003	3.0070e-003
tblVehicleEF	LHD2	3.5800e-003	3.2970e-003
tblVehicleEF	LHD2	8.1830e-003	7.6530e-003
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.49	0.45
tblVehicleEF	LHD2	0.51	0.50
tblVehicleEF	LHD2	14.77	14.66
tblVehicleEF	LHD2	631.12	622.69
tblVehicleEF	LHD2	7.12	6.98
tblVehicleEF	LHD2	1.9000e-003	1.8910e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.52	1.37
tblVehicleEF	LHD2	0.18	0.17
tblVehicleEF	LHD2	1.4480e-003	1.4570e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	1.1000e-004	1.0600e-004
tblVehicleEF	LHD2	1.3860e-003	1.3940e-003
tblVehicleEF	LHD2	2.7130e-003	2.7150e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	1.0100e-004	9.7000e-005

Seaton Avenue/Perry Street Industrial Project
Data Attachment

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	LHD2	3.0380e-003	2.8830e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.5540e-003	1.4920e-003
tblVehicleEF	LHD2	0.06	0.05
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	1.4100e-004	1.4000e-004
tblVehicleEF	LHD2	6.0810e-003	5.9990e-003
tblVehicleEF	LHD2	7.0000e-005	6.9000e-005
tblVehicleEF	LHD2	3.0380e-003	2.8830e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.5540e-003	1.4920e-003
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	3.0850e-003	2.9980e-003
tblVehicleEF	LHD2	3.5470e-003	3.2690e-003
tblVehicleEF	LHD2	8.5290e-003	7.9760e-003
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.48	0.44
tblVehicleEF	LHD2	0.54	0.52
tblVehicleEF	LHD2	14.77	14.66
tblVehicleEF	LHD2	631.11	622.68
tblVehicleEF	LHD2	7.17	7.03
tblVehicleEF	LHD2	1.8990e-003	1.8890e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.01	0.01

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.59	1.44
tblVehicleEF	LHD2	0.18	0.18
tblVehicleEF	LHD2	1.4480e-003	1.4570e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	1.1000e-004	1.0600e-004
tblVehicleEF	LHD2	1.3860e-003	1.3940e-003
tblVehicleEF	LHD2	2.7130e-003	2.7150e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	1.0100e-004	9.7000e-005
tblVehicleEF	LHD2	1.2560e-003	1.1840e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8000e-004	6.5900e-004
tblVehicleEF	LHD2	0.06	0.05
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	1.4100e-004	1.4000e-004
tblVehicleEF	LHD2	6.0810e-003	5.9990e-003
tblVehicleEF	LHD2	7.1000e-005	7.0000e-005
tblVehicleEF	LHD2	1.2560e-003	1.1840e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8000e-004	6.5900e-004
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	MCY	0.32	0.32

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	MCY	0.24	0.24
tblVehicleEF	MCY	19.26	18.95
tblVehicleEF	MCY	8.57	8.59
tblVehicleEF	MCY	208.19	208.09
tblVehicleEF	MCY	60.41	60.09
tblVehicleEF	MCY	0.07	0.07
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.26	0.26
tblVehicleEF	MCY	1.8040e-003	1.8420e-003
tblVehicleEF	MCY	2.8470e-003	2.7900e-003
tblVehicleEF	MCY	1.6870e-003	1.7220e-003
tblVehicleEF	MCY	2.6790e-003	2.6220e-003
tblVehicleEF	MCY	1.66	1.67
tblVehicleEF	MCY	0.84	0.84
tblVehicleEF	MCY	0.90	0.90
tblVehicleEF	MCY	2.14	2.12
tblVehicleEF	MCY	0.49	0.49
tblVehicleEF	MCY	1.82	1.81
tblVehicleEF	MCY	2.0600e-003	2.0590e-003
tblVehicleEF	MCY	5.9800e-004	5.9500e-004
tblVehicleEF	MCY	1.66	1.67
tblVehicleEF	MCY	0.84	0.84
tblVehicleEF	MCY	0.90	0.90
tblVehicleEF	MCY	2.64	2.62
tblVehicleEF	MCY	0.49	0.49
tblVehicleEF	MCY	1.98	1.97
tblVehicleEF	MCY	0.32	0.31
tblVehicleEF	MCY	0.22	0.22

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	MCY	19.92	19.61
tblVehicleEF	MCY	8.00	8.00
tblVehicleEF	MCY	209.15	209.06
tblVehicleEF	MCY	58.86	58.52
tblVehicleEF	MCY	0.06	0.06
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	0.98	0.97
tblVehicleEF	MCY	0.25	0.25
tblVehicleEF	MCY	1.8040e-003	1.8420e-003
tblVehicleEF	MCY	2.8470e-003	2.7900e-003
tblVehicleEF	MCY	1.6870e-003	1.7220e-003
tblVehicleEF	MCY	2.6790e-003	2.6220e-003
tblVehicleEF	MCY	3.29	3.31
tblVehicleEF	MCY	1.24	1.24
tblVehicleEF	MCY	2.05	2.05
tblVehicleEF	MCY	2.12	2.10
tblVehicleEF	MCY	0.49	0.49
tblVehicleEF	MCY	1.62	1.62
tblVehicleEF	MCY	2.0700e-003	2.0690e-003
tblVehicleEF	MCY	5.8200e-004	5.7900e-004
tblVehicleEF	MCY	3.29	3.31
tblVehicleEF	MCY	1.24	1.24
tblVehicleEF	MCY	2.05	2.05
tblVehicleEF	MCY	2.61	2.60
tblVehicleEF	MCY	0.49	0.49
tblVehicleEF	MCY	1.77	1.76
tblVehicleEF	MCY	0.32	0.31
tblVehicleEF	MCY	0.24	0.24
tblVehicleEF	MCY	18.80	18.50

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	MCY	8.51	8.54
tblVehicleEF	MCY	207.43	207.36
tblVehicleEF	MCY	60.33	60.03
tblVehicleEF	MCY	0.06	0.06
tblVehicleEF	MCY	0.02	0.02
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.26	0.26
tblVehicleEF	MCY	1.8040e-003	1.8420e-003
tblVehicleEF	MCY	2.8470e-003	2.7900e-003
tblVehicleEF	MCY	1.6870e-003	1.7220e-003
tblVehicleEF	MCY	2.6790e-003	2.6220e-003
tblVehicleEF	MCY	1.59	1.59
tblVehicleEF	MCY	1.03	1.03
tblVehicleEF	MCY	0.73	0.73
tblVehicleEF	MCY	2.13	2.11
tblVehicleEF	MCY	0.56	0.55
tblVehicleEF	MCY	1.82	1.81
tblVehicleEF	MCY	2.0530e-003	2.0520e-003
tblVehicleEF	MCY	5.9700e-004	5.9400e-004
tblVehicleEF	MCY	1.59	1.59
tblVehicleEF	MCY	1.03	1.03
tblVehicleEF	MCY	0.73	0.73
tblVehicleEF	MCY	2.63	2.61
tblVehicleEF	MCY	0.56	0.55
tblVehicleEF	MCY	1.98	1.98
tblVehicleEF	MDV	4.9040e-003	4.3280e-003
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	1.05	0.95
tblVehicleEF	MDV	3.10	2.94

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	MDV	410.56	394.25
tblVehicleEF	MDV	86.31	82.79
tblVehicleEF	MDV	9.4770e-003	8.6840e-003
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.10	0.09
tblVehicleEF	MDV	0.36	0.33
tblVehicleEF	MDV	1.4930e-003	1.4170e-003
tblVehicleEF	MDV	1.9530e-003	1.8520e-003
tblVehicleEF	MDV	1.3770e-003	1.3070e-003
tblVehicleEF	MDV	1.7960e-003	1.7030e-003
tblVehicleEF	MDV	0.13	0.12
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.41	0.37
tblVehicleEF	MDV	4.0340e-003	3.8980e-003
tblVehicleEF	MDV	8.4900e-004	8.1900e-004
tblVehicleEF	MDV	0.13	0.12
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.44	0.41
tblVehicleEF	MDV	5.5890e-003	4.9300e-003
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	1.28	1.16
tblVehicleEF	MDV	2.73	2.59
tblVehicleEF	MDV	435.21	417.67

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	MDV	85.54	82.07
tblVehicleEF	MDV	9.0810e-003	8.3300e-003
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.10	0.08
tblVehicleEF	MDV	0.34	0.31
tblVehicleEF	MDV	1.4930e-003	1.4170e-003
tblVehicleEF	MDV	1.9530e-003	1.8520e-003
tblVehicleEF	MDV	1.3770e-003	1.3070e-003
tblVehicleEF	MDV	1.7960e-003	1.7030e-003
tblVehicleEF	MDV	0.25	0.24
tblVehicleEF	MDV	0.19	0.18
tblVehicleEF	MDV	0.20	0.20
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.35	0.32
tblVehicleEF	MDV	4.2760e-003	4.1290e-003
tblVehicleEF	MDV	8.4100e-004	8.1200e-004
tblVehicleEF	MDV	0.25	0.24
tblVehicleEF	MDV	0.19	0.18
tblVehicleEF	MDV	0.20	0.20
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.39	0.35
tblVehicleEF	MDV	4.7070e-003	4.1550e-003
tblVehicleEF	MDV	0.09	0.08
tblVehicleEF	MDV	0.98	0.89
tblVehicleEF	MDV	3.17	3.01
tblVehicleEF	MDV	403.17	387.19
tblVehicleEF	MDV	86.46	82.93

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	MDV	9.2510e-003	8.4810e-003
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.10	0.09
tblVehicleEF	MDV	0.36	0.33
tblVehicleEF	MDV	1.4930e-003	1.4170e-003
tblVehicleEF	MDV	1.9530e-003	1.8520e-003
tblVehicleEF	MDV	1.3770e-003	1.3070e-003
tblVehicleEF	MDV	1.7960e-003	1.7030e-003
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.42	0.38
tblVehicleEF	MDV	3.9610e-003	3.8280e-003
tblVehicleEF	MDV	8.5000e-004	8.2100e-004
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.46	0.42
tblVehicleEF	MH	9.2290e-003	8.3210e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.19	1.03
tblVehicleEF	MH	2.00	1.92
tblVehicleEF	MH	1,445.50	1,428.57
tblVehicleEF	MH	18.19	17.79
tblVehicleEF	MH	0.06	0.06

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.58	1.53
tblVehicleEF	MH	0.23	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.3700e-004	2.2500e-004
tblVehicleEF	MH	3.3020e-003	3.3070e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.1800e-004	2.0700e-004
tblVehicleEF	MH	1.20	1.12
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.42	0.40
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.09	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	1.8000e-004	1.7600e-004
tblVehicleEF	MH	1.20	1.12
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.42	0.40
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.10	0.10
tblVehicleEF	MH	9.4350e-003	8.5010e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.22	1.05
tblVehicleEF	MH	1.87	1.79
tblVehicleEF	MH	1,445.55	1,428.62
tblVehicleEF	MH	17.96	17.58

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.47	1.42
tblVehicleEF	MH	0.22	0.22
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.3700e-004	2.2500e-004
tblVehicleEF	MH	3.3020e-003	3.3070e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.1800e-004	2.0700e-004
tblVehicleEF	MH	2.19	2.05
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.83	0.78
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.09	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	1.7800e-004	1.7400e-004
tblVehicleEF	MH	2.19	2.05
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.83	0.78
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.10	0.09
tblVehicleEF	MH	9.2120e-003	8.3060e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.19	1.03
tblVehicleEF	MH	2.02	1.94
tblVehicleEF	MH	1,445.49	1,428.57

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	MH	18.21	17.81
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.56	1.51
tblVehicleEF	MH	0.23	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.3700e-004	2.2500e-004
tblVehicleEF	MH	3.3020e-003	3.3070e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.1800e-004	2.0700e-004
tblVehicleEF	MH	1.19	1.10
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.39
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.09	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	1.8000e-004	1.7600e-004
tblVehicleEF	MH	1.19	1.10
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.39
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.10	0.10
tblVehicleEF	MHD	3.1740e-003	3.2310e-003
tblVehicleEF	MHD	3.4150e-003	1.3290e-003
tblVehicleEF	MHD	8.4360e-003	8.5180e-003
tblVehicleEF	MHD	0.34	0.36

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	MHD	0.36	0.17
tblVehicleEF	MHD	0.98	0.97
tblVehicleEF	MHD	72.73	69.20
tblVehicleEF	MHD	972.64	939.42
tblVehicleEF	MHD	8.27	8.50
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.13	0.12
tblVehicleEF	MHD	6.1560e-003	6.4640e-003
tblVehicleEF	MHD	0.57	0.40
tblVehicleEF	MHD	1.55	0.90
tblVehicleEF	MHD	1.38	1.74
tblVehicleEF	MHD	1.4440e-003	4.2800e-004
tblVehicleEF	MHD	0.05	9.3850e-003
tblVehicleEF	MHD	9.5000e-005	9.6000e-005
tblVehicleEF	MHD	1.3820e-003	4.0900e-004
tblVehicleEF	MHD	0.04	8.9760e-003
tblVehicleEF	MHD	8.7000e-005	8.9000e-005
tblVehicleEF	MHD	6.7900e-004	6.5600e-004
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.4200e-004	3.3500e-004
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	6.9000e-004	6.5600e-004
tblVehicleEF	MHD	9.2620e-003	8.9480e-003
tblVehicleEF	MHD	8.2000e-005	8.4000e-005
tblVehicleEF	MHD	6.7900e-004	6.5600e-004
tblVehicleEF	MHD	0.02	0.02

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.4200e-004	3.3500e-004
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	3.0150e-003	3.0750e-003
tblVehicleEF	MHD	3.4390e-003	1.3500e-003
tblVehicleEF	MHD	8.1570e-003	8.2390e-003
tblVehicleEF	MHD	0.29	0.31
tblVehicleEF	MHD	0.36	0.18
tblVehicleEF	MHD	0.94	0.93
tblVehicleEF	MHD	73.65	69.18
tblVehicleEF	MHD	972.65	939.42
tblVehicleEF	MHD	8.20	8.42
tblVehicleEF	MHD	0.01	9.9870e-003
tblVehicleEF	MHD	0.13	0.12
tblVehicleEF	MHD	6.0920e-003	6.3950e-003
tblVehicleEF	MHD	0.57	0.39
tblVehicleEF	MHD	1.46	0.85
tblVehicleEF	MHD	1.38	1.74
tblVehicleEF	MHD	1.2200e-003	3.6400e-004
tblVehicleEF	MHD	0.05	9.3850e-003
tblVehicleEF	MHD	9.5000e-005	9.6000e-005
tblVehicleEF	MHD	1.1680e-003	3.4800e-004
tblVehicleEF	MHD	0.04	8.9760e-003
tblVehicleEF	MHD	8.7000e-005	8.9000e-005
tblVehicleEF	MHD	1.2990e-003	1.2520e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.02	0.02

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	MHD	6.6700e-004	6.4800e-004
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	6.9800e-004	6.5600e-004
tblVehicleEF	MHD	9.2620e-003	8.9480e-003
tblVehicleEF	MHD	8.1000e-005	8.3000e-005
tblVehicleEF	MHD	1.2990e-003	1.2520e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.6700e-004	6.4800e-004
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	3.4030e-003	3.4570e-003
tblVehicleEF	MHD	3.3980e-003	1.3140e-003
tblVehicleEF	MHD	8.5100e-003	8.5940e-003
tblVehicleEF	MHD	0.42	0.42
tblVehicleEF	MHD	0.36	0.17
tblVehicleEF	MHD	0.99	0.99
tblVehicleEF	MHD	71.45	69.22
tblVehicleEF	MHD	972.64	939.42
tblVehicleEF	MHD	8.30	8.52
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.13	0.12
tblVehicleEF	MHD	6.1960e-003	6.5070e-003
tblVehicleEF	MHD	0.56	0.41
tblVehicleEF	MHD	1.54	0.89
tblVehicleEF	MHD	1.38	1.74

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	MHD	1.7540e-003	5.1700e-004
tblVehicleEF	MHD	0.05	9.3850e-003
tblVehicleEF	MHD	9.5000e-005	9.6000e-005
tblVehicleEF	MHD	1.6780e-003	4.9400e-004
tblVehicleEF	MHD	0.04	8.9760e-003
tblVehicleEF	MHD	8.7000e-005	8.9000e-005
tblVehicleEF	MHD	5.2100e-004	4.9200e-004
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.7500e-004	2.6700e-004
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	6.7700e-004	6.5600e-004
tblVehicleEF	MHD	9.2610e-003	8.9480e-003
tblVehicleEF	MHD	8.2000e-005	8.4000e-005
tblVehicleEF	MHD	5.2100e-004	4.9200e-004
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	2.7500e-004	2.6700e-004
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	OBUS	8.6690e-003	8.5500e-003
tblVehicleEF	OBUS	6.2940e-003	4.7720e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.49	0.50
tblVehicleEF	OBUS	0.72	0.58
tblVehicleEF	OBUS	2.51	2.45

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	OBUS	71.08	68.17
tblVehicleEF	OBUS	1,371.04	1,337.43
tblVehicleEF	OBUS	20.56	20.30
tblVehicleEF	OBUS	9.0690e-003	8.6360e-003
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.33	0.25
tblVehicleEF	OBUS	1.20	0.81
tblVehicleEF	OBUS	0.66	0.73
tblVehicleEF	OBUS	5.9500e-004	8.2000e-005
tblVehicleEF	OBUS	0.02	7.9710e-003
tblVehicleEF	OBUS	1.9400e-004	1.9800e-004
tblVehicleEF	OBUS	5.6900e-004	7.8000e-005
tblVehicleEF	OBUS	0.02	7.6120e-003
tblVehicleEF	OBUS	1.7800e-004	1.8200e-004
tblVehicleEF	OBUS	2.6170e-003	2.6360e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	1.1260e-003	1.1390e-003
tblVehicleEF	OBUS	0.05	0.03
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.12	0.12
tblVehicleEF	OBUS	6.7800e-004	6.5100e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.0300e-004	2.0100e-004
tblVehicleEF	OBUS	2.6170e-003	2.6360e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	1.1260e-003	1.1390e-003

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	OBUS	0.06	0.04
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	8.7200e-003	8.6200e-003
tblVehicleEF	OBUS	6.4100e-003	4.8760e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.48	0.50
tblVehicleEF	OBUS	0.73	0.59
tblVehicleEF	OBUS	2.35	2.29
tblVehicleEF	OBUS	70.99	67.44
tblVehicleEF	OBUS	1,371.06	1,337.45
tblVehicleEF	OBUS	20.28	20.03
tblVehicleEF	OBUS	9.0610e-003	8.5270e-003
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.32	0.23
tblVehicleEF	OBUS	1.12	0.75
tblVehicleEF	OBUS	0.65	0.73
tblVehicleEF	OBUS	5.0500e-004	7.3000e-005
tblVehicleEF	OBUS	0.02	7.9710e-003
tblVehicleEF	OBUS	1.9400e-004	1.9800e-004
tblVehicleEF	OBUS	4.8300e-004	6.9000e-005
tblVehicleEF	OBUS	0.02	7.6120e-003
tblVehicleEF	OBUS	1.7800e-004	1.8200e-004
tblVehicleEF	OBUS	4.7670e-003	4.8010e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	2.1480e-003	2.1640e-003
tblVehicleEF	OBUS	0.05	0.03

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.12	0.11
tblVehicleEF	OBUS	6.7700e-004	6.4400e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.0100e-004	1.9800e-004
tblVehicleEF	OBUS	4.7670e-003	4.8010e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.07	0.06
tblVehicleEF	OBUS	2.1480e-003	2.1640e-003
tblVehicleEF	OBUS	0.06	0.04
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.13	0.12
tblVehicleEF	OBUS	8.6270e-003	8.4810e-003
tblVehicleEF	OBUS	6.2600e-003	4.7410e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.50	0.51
tblVehicleEF	OBUS	0.72	0.58
tblVehicleEF	OBUS	2.54	2.48
tblVehicleEF	OBUS	71.20	69.17
tblVehicleEF	OBUS	1,371.03	1,337.43
tblVehicleEF	OBUS	20.60	20.34
tblVehicleEF	OBUS	9.0880e-003	8.7930e-003
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.33	0.26
tblVehicleEF	OBUS	1.20	0.81
tblVehicleEF	OBUS	0.66	0.73
tblVehicleEF	OBUS	7.1900e-004	9.4000e-005
tblVehicleEF	OBUS	0.02	7.9710e-003

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	OBUS	1.9400e-004	1.9800e-004
tblVehicleEF	OBUS	6.8800e-004	9.0000e-005
tblVehicleEF	OBUS	0.02	7.6120e-003
tblVehicleEF	OBUS	1.7800e-004	1.8200e-004
tblVehicleEF	OBUS	2.3790e-003	2.3770e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	1.0720e-003	1.0810e-003
tblVehicleEF	OBUS	0.05	0.03
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.12	0.12
tblVehicleEF	OBUS	6.7900e-004	6.6000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.0400e-004	2.0100e-004
tblVehicleEF	OBUS	2.3790e-003	2.3770e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	1.0720e-003	1.0810e-003
tblVehicleEF	OBUS	0.06	0.04
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	SBUS	0.08	0.08
tblVehicleEF	SBUS	6.3720e-003	6.1380e-003
tblVehicleEF	SBUS	7.0630e-003	7.1540e-003
tblVehicleEF	SBUS	3.08	3.12
tblVehicleEF	SBUS	0.51	0.50
tblVehicleEF	SBUS	0.94	0.94
tblVehicleEF	SBUS	365.13	363.20
tblVehicleEF	SBUS	1,104.50	1,093.96

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	SBUS	6.09	6.12
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	6.8130e-003	6.9980e-003
tblVehicleEF	SBUS	3.47	3.37
tblVehicleEF	SBUS	4.62	4.43
tblVehicleEF	SBUS	0.75	0.81
tblVehicleEF	SBUS	3.7440e-003	3.4460e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.2000e-005	4.4000e-005
tblVehicleEF	SBUS	3.5820e-003	3.2970e-003
tblVehicleEF	SBUS	2.6500e-003	2.6490e-003
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	3.9000e-005	4.1000e-005
tblVehicleEF	SBUS	1.4040e-003	1.5010e-003
tblVehicleEF	SBUS	9.3180e-003	0.01
tblVehicleEF	SBUS	0.36	0.37
tblVehicleEF	SBUS	6.7500e-004	7.2500e-004
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4880e-003	3.4700e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.0000e-005	6.1000e-005
tblVehicleEF	SBUS	1.4040e-003	1.5010e-003
tblVehicleEF	SBUS	9.3180e-003	0.01
tblVehicleEF	SBUS	0.52	0.53
tblVehicleEF	SBUS	6.7500e-004	7.2500e-004

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.04	0.05
tblVehicleEF	SBUS	0.08	0.08
tblVehicleEF	SBUS	6.4450e-003	6.2090e-003
tblVehicleEF	SBUS	5.9200e-003	5.9970e-003
tblVehicleEF	SBUS	3.04	3.09
tblVehicleEF	SBUS	0.52	0.50
tblVehicleEF	SBUS	0.68	0.68
tblVehicleEF	SBUS	374.76	372.25
tblVehicleEF	SBUS	1,104.52	1,093.97
tblVehicleEF	SBUS	5.66	5.68
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	6.5890e-003	6.7690e-003
tblVehicleEF	SBUS	3.55	3.45
tblVehicleEF	SBUS	4.35	4.17
tblVehicleEF	SBUS	0.75	0.80
tblVehicleEF	SBUS	3.1630e-003	2.9130e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.2000e-005	4.4000e-005
tblVehicleEF	SBUS	3.0260e-003	2.7870e-003
tblVehicleEF	SBUS	2.6500e-003	2.6490e-003
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	3.9000e-005	4.1000e-005
tblVehicleEF	SBUS	2.5310e-003	2.7020e-003
tblVehicleEF	SBUS	9.8380e-003	0.01
tblVehicleEF	SBUS	0.36	0.37

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	SBUS	1.2510e-003	1.3370e-003
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	3.5790e-003	3.5550e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	2.5310e-003	2.7020e-003
tblVehicleEF	SBUS	9.8380e-003	0.01
tblVehicleEF	SBUS	0.52	0.53
tblVehicleEF	SBUS	1.2510e-003	1.3370e-003
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	0.08	0.08
tblVehicleEF	SBUS	6.3640e-003	6.1310e-003
tblVehicleEF	SBUS	7.3130e-003	7.4110e-003
tblVehicleEF	SBUS	3.13	3.17
tblVehicleEF	SBUS	0.51	0.50
tblVehicleEF	SBUS	0.98	0.98
tblVehicleEF	SBUS	351.83	350.71
tblVehicleEF	SBUS	1,104.50	1,093.96
tblVehicleEF	SBUS	6.17	6.19
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	6.9070e-003	7.0960e-003
tblVehicleEF	SBUS	3.35	3.26
tblVehicleEF	SBUS	4.59	4.40
tblVehicleEF	SBUS	0.75	0.81
tblVehicleEF	SBUS	4.5460e-003	4.1830e-003

Seaton Avenue/Perry Street Industrial Project
Data Attachment

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.2000e-005	4.4000e-005
tblVehicleEF	SBUS	4.3490e-003	4.0020e-003
tblVehicleEF	SBUS	2.6500e-003	2.6490e-003
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	3.9000e-005	4.1000e-005
tblVehicleEF	SBUS	1.2200e-003	1.2920e-003
tblVehicleEF	SBUS	9.5110e-003	0.01
tblVehicleEF	SBUS	0.36	0.37
tblVehicleEF	SBUS	6.5000e-004	6.9700e-004
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.3620e-003	3.3520e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.2200e-003	1.2920e-003
tblVehicleEF	SBUS	9.5110e-003	0.01
tblVehicleEF	SBUS	0.52	0.53
tblVehicleEF	SBUS	6.5000e-004	6.9700e-004
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	UBUS	3.35	3.35
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	26.06	26.09
tblVehicleEF	UBUS	1.47	1.44
tblVehicleEF	UBUS	1,617.41	1,610.65
tblVehicleEF	UBUS	18.02	17.72

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	UBUS	0.23	0.23
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.32	0.32
tblVehicleEF	UBUS	0.18	0.17
tblVehicleEF	UBUS	2.9840e-003	2.7900e-003
tblVehicleEF	UBUS	1.6200e-004	1.7300e-004
tblVehicleEF	UBUS	2.8400e-003	2.6530e-003
tblVehicleEF	UBUS	1.4900e-004	1.5900e-004
tblVehicleEF	UBUS	1.3840e-003	1.4420e-003
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	8.4400e-004	8.8500e-004
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	1.7120e-003	1.7160e-003
tblVehicleEF	UBUS	0.08	0.07
tblVehicleEF	UBUS	4.8660e-003	4.8150e-003
tblVehicleEF	UBUS	1.7800e-004	1.7500e-004
tblVehicleEF	UBUS	1.3840e-003	1.4420e-003
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	8.4400e-004	8.8500e-004
tblVehicleEF	UBUS	3.43	3.43
tblVehicleEF	UBUS	1.7120e-003	1.7160e-003
tblVehicleEF	UBUS	0.08	0.08
tblVehicleEF	UBUS	3.35	3.35
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	26.06	26.09
tblVehicleEF	UBUS	1.25	1.22
tblVehicleEF	UBUS	1,617.41	1,610.66
tblVehicleEF	UBUS	17.65	17.36
tblVehicleEF	UBUS	0.23	0.23

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.31	0.31
tblVehicleEF	UBUS	0.17	0.16
tblVehicleEF	UBUS	2.9840e-003	2.7900e-003
tblVehicleEF	UBUS	1.6200e-004	1.7300e-004
tblVehicleEF	UBUS	2.8400e-003	2.6530e-003
tblVehicleEF	UBUS	1.4900e-004	1.5900e-004
tblVehicleEF	UBUS	2.4580e-003	2.5600e-003
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	1.6790e-003	1.7490e-003
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	1.6590e-003	1.6650e-003
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	4.8660e-003	4.8150e-003
tblVehicleEF	UBUS	1.7500e-004	1.7200e-004
tblVehicleEF	UBUS	2.4580e-003	2.5600e-003
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	1.6790e-003	1.7490e-003
tblVehicleEF	UBUS	3.43	3.43
tblVehicleEF	UBUS	1.6590e-003	1.6650e-003
tblVehicleEF	UBUS	0.08	0.07
tblVehicleEF	UBUS	3.35	3.35
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	26.06	26.09
tblVehicleEF	UBUS	1.46	1.42
tblVehicleEF	UBUS	1,617.41	1,610.65
tblVehicleEF	UBUS	18.00	17.70
tblVehicleEF	UBUS	0.23	0.23
tblVehicleEF	UBUS	0.02	0.02

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleEF	UBUS	0.32	0.31
tblVehicleEF	UBUS	0.18	0.17
tblVehicleEF	UBUS	2.9840e-003	2.7900e-003
tblVehicleEF	UBUS	1.6200e-004	1.7300e-004
tblVehicleEF	UBUS	2.8400e-003	2.6530e-003
tblVehicleEF	UBUS	1.4900e-004	1.5900e-004
tblVehicleEF	UBUS	1.4140e-003	1.4610e-003
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	8.8500e-004	9.2700e-004
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	2.0100e-003	2.0030e-003
tblVehicleEF	UBUS	0.08	0.07
tblVehicleEF	UBUS	4.8660e-003	4.8150e-003
tblVehicleEF	UBUS	1.7800e-004	1.7500e-004
tblVehicleEF	UBUS	1.4140e-003	1.4610e-003
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	8.8500e-004	9.2700e-004
tblVehicleEF	UBUS	3.43	3.43
tblVehicleEF	UBUS	2.0100e-003	2.0030e-003
tblVehicleEF	UBUS	0.08	0.08
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	CNW_TTP	41.00	100.00
tblVehicleTrips	CNW_TTP	41.00	100.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TL	16.60	40.00
tblVehicleTrips	CW_TTP	59.00	0.00

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.12	0.67
tblVehicleTrips	ST_TR	1.74	0.67
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	2.12	0.67
tblVehicleTrips	SU_TR	1.74	0.67
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	2.12	0.67
tblVehicleTrips	WD_TR	1.74	0.67
tblWater	IndoorWaterUseRate	4,576,437.50	0.00
tblWater	IndoorWaterUseRate	18,303,437.50	0.00
tblWater	OutdoorWaterUseRate	1,882,540.53	0.00

2.0 Emissions Summary

Seaton Avenue/Perry Street Industrial Project - Haul 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	0.0000	0.0000	0.0000	0.0000	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					
2022	0.0000	0.0000	0.0000	0.0000	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)
	Seaton Avenue/Perry Street Industrial Project			

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - 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	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0297	1.9162	0.3786	0.0119	0.4298	0.0234	0.4532	0.1214	0.0224	0.1438	0.0000	1,146.8551	1,146.8551	0.0128	0.1741	1,199.0465
Stationary	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0297	1.9162	0.3786	0.0119	0.4298	0.0234	0.4532	0.1214	0.0224	0.1438	0.0000	1,146.8551	1,146.8551	0.0128	0.1741	1,199.0465

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

2.2 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	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0297	1.9162	0.3786	0.0119	0.4298	0.0234	0.4532	0.1214	0.0224	0.1438	0.0000	1,146.8551	1,146.8551	0.0128	0.1741	1,199.0465
Stationary	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0297	1.9162	0.3786	0.0119	0.4298	0.0234	0.4532	0.1214	0.0224	0.1438	0.0000	1,146.8551	1,146.8551	0.0128	0.1741	1,199.0465

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/3/2022	1/2/2022	5	0	

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

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 5.57

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Crawler Tractors	0	8.00	212	0.43
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

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

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

3.2 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	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

Unmitigated Construction Off-Site

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

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - Riverside-South Coast County, Annual

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

3.2 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	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

Mitigated Construction Off-Site

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

Seaton Avenue/Perry Street Industrial Project - Haul 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	0.0297	1.9162	0.3786	0.0119	0.4298	0.0234	0.4532	0.1214	0.0224	0.1438	0.0000	1,146.855 1	1,146.855 1	0.0128	0.1741	1,199.046 5
Unmitigated	0.0297	1.9162	0.3786	0.0119	0.4298	0.0234	0.4532	0.1214	0.0224	0.1438	0.0000	1,146.855 1	1,146.855 1	0.0128	0.1741	1,199.046 5

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		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	13.26	13.26	13.26	193,055	193,055
Unrefrigerated Warehouse-No Rail	53.03	53.03	53.03	772,124	772,124
Total	66.29	66.29	66.29	965,179	965,179

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
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - 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
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	40.00	40.00	40.00	0.00	0.00	100.00	100	0	0
Unrefrigerated Warehouse-No	40.00	40.00	40.00	0.00	0.00	100.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Asphalt Surfaces	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Parking Lot	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Refrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.290000	0.710000	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.290000	0.710000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - 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	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Natural Gas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Natural Gas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - 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 - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - 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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - 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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - 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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - 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	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
Unmitigated	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
Total	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - 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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
Total	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005

7.0 Water Detail

7.1 Mitigation Measures Water

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - 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	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

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

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - 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 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - 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	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

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

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - 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	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Fire Pump	0	1	50	238	0.73	Diesel

Boilers

Seaton Avenue/Perry Street Industrial Project
Data Attachment

Seaton Avenue/Perry Street Industrial Project - Haul Trucks - 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	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

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

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)	0.0000	0.0000	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

11.0 Vegetation

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks OPLST - Riverside-South Coast County, Summer

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

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks OPLST

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	19.79	1000sqft	0.45	19,790.00	0
Unrefrigerated Warehouse-No Rail	79.15	1000sqft	1.82	79,150.00	0
Other Asphalt Surfaces	3.31	Acre	3.31	144,183.60	0
Parking Lot	2.26	Acre	2.26	98,445.60	0
City Park	1.58	Acre	1.58	68,824.80	0

1.2 Other Project Characteristics

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

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use -
- Construction Phase - Operations Only
- Off-road Equipment -
- Off-road Equipment - OPerations Only
- Grading - Operations Only

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks OPLST - 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 - Trip rate for LDA+LDT+MDT+LHDT

Total trip rate = 4.96 trips/day

LDA+LDT+MDV+LHDT = 86.6% of total trips = 4.295 trips/day

ONsiteTrip Length = 0.2 miles

Consumer Products - OPerations Only

Area Coating - OPerations Only

Landscape Equipment - OPerations Only

Energy Use - OPerations Only

Water And Wastewater - Construction Only

Solid Waste - Construction Only

Construction Off-road Equipment Mitigation - Dust mitigation = 74% control with watering with 2 hour watering interval as per the Western Regional Air Partnership

Fugitive Dust Handbook (Table 3.7)

https://www.env.nm.gov/wp-content/uploads/sites/2/2017/02/WRAP_FDHandbook_Rev_06.pdf

Operational Off-Road Equipment - OPeration of 1 forklift per 10,000 sq-ft building using CNG fuel

Fleet Mix - Fleet Mix derived from Traffic Impact Study and CalEEMod fleet mix

Stationary Sources - Emergency Generators and Fire Pumps - Use of one firepump per building

Maintenance Hours limited by SCAQMD Rule 1470

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix Seaton Avenue/Perry Street Industrial Project	LDA	0.53	0.56

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks OPLST - Riverside-South Coast County, Summer

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

tblFleetMix	LDA	0.53	0.56
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	0.04
tblFleetMix	LDT1	0.06	0.04
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.19
tblFleetMix	LDT2	0.17	0.19
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.07
tblFleetMix	LHD1	0.03	0.07
tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	LHD2	7.4220e-003	0.02
tblFleetMix	LHD2	7.4220e-003	0.02
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MCY	0.02	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	MDV	0.14	0.00

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks OPLST - Riverside-South Coast County, Summer

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

tblFleetMix	MDV	0.14	0.12
tblFleetMix	MDV	0.14	0.12
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks OPLST - Riverside-South Coast County, Summer

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

tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	6.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	10.00
tblVehicleEF	LDA	0.61	0.61
tblVehicleEF	LDA	2.07	2.06
tblVehicleEF	LDA	259.71	258.05
tblVehicleEF	LDA	53.48	53.14
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.18	0.18
tblVehicleEF	LDA	1.3740e-003	1.3710e-003
tblVehicleEF	LDA	1.8360e-003	1.8330e-003
tblVehicleEF	LDA	1.2660e-003	1.2630e-003
tblVehicleEF	LDA	1.6880e-003	1.6850e-003
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	8.1920e-003	8.1890e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.23	0.23
tblVehicleEF	LDA	0.75	0.75
tblVehicleEF	LDA	1.82	1.82
tblVehicleEF	LDA	282.39	280.58

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	LDA	53.01	52.67
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.17	0.17
tblVehicleEF	LDA	1.3740e-003	1.3710e-003
tblVehicleEF	LDA	1.8360e-003	1.8330e-003
tblVehicleEF	LDA	1.2660e-003	1.2630e-003
tblVehicleEF	LDA	1.6880e-003	1.6850e-003
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	9.2580e-003	9.2540e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.18	0.18
tblVehicleEF	LDA	0.13	0.13
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.20	0.20
tblVehicleEF	LDA	0.57	0.57
tblVehicleEF	LDA	2.11	2.10
tblVehicleEF	LDA	253.49	251.86
tblVehicleEF	LDA	53.57	53.22
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.18	0.18
tblVehicleEF	LDA	1.3740e-003	1.3710e-003
tblVehicleEF	LDA	1.8360e-003	1.8330e-003
tblVehicleEF	LDA	1.2660e-003	1.2630e-003
tblVehicleEF	LDA	1.6880e-003	1.6850e-003
tblVehicleEF	LDA	1.6880e-003	1.6850e-003

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	7.9110e-003	7.9080e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.23	0.23
tblVehicleEF	LDT1	1.43	1.43
tblVehicleEF	LDT1	2.34	2.33
tblVehicleEF	LDT1	310.06	308.06
tblVehicleEF	LDT1	65.12	64.70
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.28	0.28
tblVehicleEF	LDT1	2.0960e-003	2.0930e-003
tblVehicleEF	LDT1	2.7320e-003	2.7270e-003
tblVehicleEF	LDT1	1.9290e-003	1.9260e-003
tblVehicleEF	LDT1	2.5120e-003	2.5080e-003
tblVehicleEF	LDT1	0.21	0.21
tblVehicleEF	LDT1	0.25	0.25
tblVehicleEF	LDT1	0.14	0.14
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.39	0.39
tblVehicleEF	LDT1	0.21	0.21

Seaton Avenue/Perry Street Industrial Project
Data Attachment

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	LDT1	0.25	0.25
tblVehicleEF	LDT1	0.14	0.14
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.43	0.43
tblVehicleEF	LDT1	1.74	1.74
tblVehicleEF	LDT1	2.07	2.07
tblVehicleEF	LDT1	334.19	332.04
tblVehicleEF	LDT1	64.52	64.11
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.27	0.27
tblVehicleEF	LDT1	2.0960e-003	2.0930e-003
tblVehicleEF	LDT1	2.7320e-003	2.7270e-003
tblVehicleEF	LDT1	1.9290e-003	1.9260e-003
tblVehicleEF	LDT1	2.5120e-003	2.5080e-003
tblVehicleEF	LDT1	0.40	0.40
tblVehicleEF	LDT1	0.31	0.31
tblVehicleEF	LDT1	0.27	0.27
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.34	0.34
tblVehicleEF	LDT1	0.40	0.40
tblVehicleEF	LDT1	0.31	0.31
tblVehicleEF	LDT1	0.27	0.27
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.38	0.38
tblVehicleEF	LDT1	1.34	1.34
tblVehicleEF	LDT1	2.39	2.39

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	LDT1	302.73	300.78
tblVehicleEF	LDT1	65.25	64.83
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.28	0.28
tblVehicleEF	LDT1	2.0960e-003	2.0930e-003
tblVehicleEF	LDT1	2.7320e-003	2.7270e-003
tblVehicleEF	LDT1	1.9290e-003	1.9260e-003
tblVehicleEF	LDT1	2.5120e-003	2.5080e-003
tblVehicleEF	LDT1	0.17	0.17
tblVehicleEF	LDT1	0.28	0.28
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.41	0.41
tblVehicleEF	LDT1	0.17	0.17
tblVehicleEF	LDT1	0.28	0.28
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.44	0.44
tblVehicleEF	LDT2	0.90	0.90
tblVehicleEF	LDT2	2.64	2.64
tblVehicleEF	LDT2	328.68	326.57
tblVehicleEF	LDT2	69.36	68.91
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.28	0.28
tblVehicleEF	LDT2	1.4270e-003	1.4240e-003
tblVehicleEF	LDT2	1.8750e-003	1.8720e-003
tblVehicleEF	LDT2	1.3130e-003	1.3110e-003

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	LDT2	1.7240e-003	1.7210e-003
tblVehicleEF	LDT2	0.11	0.11
tblVehicleEF	LDT2	0.13	0.13
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.31	0.31
tblVehicleEF	LDT2	0.11	0.11
tblVehicleEF	LDT2	0.13	0.13
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.33	0.33
tblVehicleEF	LDT2	1.10	1.10
tblVehicleEF	LDT2	2.34	2.33
tblVehicleEF	LDT2	351.89	349.63
tblVehicleEF	LDT2	68.74	68.30
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.27	0.27
tblVehicleEF	LDT2	1.4270e-003	1.4240e-003
tblVehicleEF	LDT2	1.8750e-003	1.8720e-003
tblVehicleEF	LDT2	1.3130e-003	1.3110e-003
tblVehicleEF	LDT2	1.7240e-003	1.7210e-003
tblVehicleEF	LDT2	0.21	0.21
tblVehicleEF	LDT2	0.16	0.16
tblVehicleEF	LDT2	0.16	0.16
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.27	0.27

Seaton Avenue/Perry Street Industrial Project
Data Attachment

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	LDT2	0.21	0.21
tblVehicleEF	LDT2	0.16	0.16
tblVehicleEF	LDT2	0.16	0.16
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.29	0.29
tblVehicleEF	LDT2	0.84	0.84
tblVehicleEF	LDT2	2.71	2.70
tblVehicleEF	LDT2	321.63	319.57
tblVehicleEF	LDT2	69.49	69.04
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.28	0.28
tblVehicleEF	LDT2	1.4270e-003	1.4240e-003
tblVehicleEF	LDT2	1.8750e-003	1.8720e-003
tblVehicleEF	LDT2	1.3130e-003	1.3110e-003
tblVehicleEF	LDT2	1.7240e-003	1.7210e-003
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.31	0.31
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.34	0.34
tblVehicleEF	MDV	1.05	1.05

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	MDV	3.10	3.10
tblVehicleEF	MDV	410.56	407.96
tblVehicleEF	MDV	86.31	85.75
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.36	0.36
tblVehicleEF	MDV	1.4930e-003	1.4910e-003
tblVehicleEF	MDV	1.9530e-003	1.9490e-003
tblVehicleEF	MDV	1.3770e-003	1.3750e-003
tblVehicleEF	MDV	1.7960e-003	1.7920e-003
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.41	0.41
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.44	0.44
tblVehicleEF	MDV	1.28	1.28
tblVehicleEF	MDV	2.73	2.73
tblVehicleEF	MDV	435.21	432.45
tblVehicleEF	MDV	85.54	84.99
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.34	0.34
tblVehicleEF	MDV	1.4930e-003	1.4910e-003
tblVehicleEF	MDV	1.9530e-003	1.9490e-003

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	MDV	1.3770e-003	1.3750e-003
tblVehicleEF	MDV	1.7960e-003	1.7920e-003
tblVehicleEF	MDV	0.25	0.25
tblVehicleEF	MDV	0.19	0.19
tblVehicleEF	MDV	0.20	0.20
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.35	0.35
tblVehicleEF	MDV	0.25	0.25
tblVehicleEF	MDV	0.19	0.19
tblVehicleEF	MDV	0.20	0.20
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.39	0.39
tblVehicleEF	MDV	0.98	0.98
tblVehicleEF	MDV	3.17	3.17
tblVehicleEF	MDV	403.17	400.61
tblVehicleEF	MDV	86.46	85.90
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.36	0.36
tblVehicleEF	MDV	1.4930e-003	1.4910e-003
tblVehicleEF	MDV	1.9530e-003	1.9490e-003
tblVehicleEF	MDV	1.3770e-003	1.3750e-003
tblVehicleEF	MDV	1.7960e-003	1.7920e-003
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.07	0.07

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	MDV	0.42	0.42
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.46	0.46
tblVehicleEF	MHD	8.7000e-005	8.8000e-005
tblVehicleEF	MHD	8.7000e-005	8.8000e-005
tblVehicleEF	MHD	8.7000e-005	8.8000e-005
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	2.12	4.29
tblVehicleTrips	ST_TR	1.74	4.29
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	2.12	4.29
tblVehicleTrips	SU_TR	1.74	4.29
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	2.12	4.29
tblVehicleTrips	WD_TR	1.74	4.29

2.0 Emissions Summary

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks OPLST - 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	0.0000	0.0000	0.0000	0.0000	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	lb/day										lb/day					
2022	0.0000	0.0000	0.0000	0.0000	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

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks OPLST - 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	2.3193	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248
Energy	0.0350	0.3177	0.2669	1.9100e-003		0.0242	0.0242		0.0242	0.0242		381.2500	381.2500	7.3100e-003	6.9900e-003	383.5156
Mobile	0.6323	0.2465	1.9892	1.1300e-003	0.0618	2.1300e-003	0.0640	0.0165	1.9700e-003	0.0185		114.4823	114.4823	0.0452	0.0269	123.6190
Offroad	0.1210	5.8479	70.0596	0.0115		0.1011	0.1011		0.1011	0.1011	0.0000	1,450.2438	1,450.2438	0.4690		1,461.9698
Stationary	0.7450	2.0824	1.8997	3.5800e-003		0.1096	0.1096		0.1096	0.1096		381.1394	381.1394	0.0534		382.4753
Total	3.8525	8.4946	74.2262	0.0181	0.0618	0.2370	0.2989	0.0165	0.2369	0.2534	0.0000	2,327.1388	2,327.1388	0.5750	0.0339	2,351.6044

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks OPLST - 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	2.3193	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248
Energy	0.0350	0.3177	0.2669	1.9100e-003		0.0242	0.0242		0.0242	0.0242		381.2500	381.2500	7.3100e-003	6.9900e-003	383.5156
Mobile	0.6323	0.2465	1.9892	1.1300e-003	0.0618	2.1300e-003	0.0640	0.0165	1.9700e-003	0.0185		114.4823	114.4823	0.0452	0.0269	123.6190
Offroad	0.1210	5.8479	70.0596	0.0115		0.1011	0.1011		0.1011	0.1011	0.0000	1,450.2438	1,450.2438	0.4690		1,461.9698
Stationary	0.7450	2.0824	1.8997	3.5800e-003		0.1096	0.1096		0.1096	0.1096		381.1394	381.1394	0.0534		382.4753
Total	3.8525	8.4946	74.2262	0.0181	0.0618	0.2370	0.2989	0.0165	0.2369	0.2534	0.0000	2,327.1388	2,327.1388	0.5750	0.0339	2,351.6044

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/3/2022	1/2/2022	5	0	

Acres of Grading (Site Preparation Phase): 0

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks OPLST - Riverside-South Coast County, Summer

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: 5.57

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Crawler Tractors	0	8.00	212	0.43
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

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

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks OPLST - 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 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	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

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	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

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks OPLST - 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 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	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

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

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks OPLST - 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	0.6323	0.2465	1.9892	1.1300e-003	0.0618	2.1300e-003	0.0640	0.0165	1.9700e-003	0.0185		114.4823	114.4823	0.0452	0.0269	123.6190
Unmitigated	0.6323	0.2465	1.9892	1.1300e-003	0.0618	2.1300e-003	0.0640	0.0165	1.9700e-003	0.0185		114.4823	114.4823	0.0452	0.0269	123.6190

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		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	84.90	84.90	84.90	5,856	5,856
Unrefrigerated Warehouse-No Rail	339.55	339.55	339.55	23,422	23,422
Total	424.45	424.45	424.45	29,278	29,278

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
Other Asphalt Surfaces	0.00	0.00	6.90	0.00	0.00	0.00	0	0	0

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks OPLST - 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
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated 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	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Asphalt Surfaces	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Parking Lot	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Refrigerated Warehouse-No Rail	0.561000	0.037000	0.191000	0.118000	0.073000	0.019000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-No Rail	0.561000	0.037000	0.191000	0.118000	0.073000	0.019000	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

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks OPLST - 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					
Natural Gas Mitigated	0.0350	0.3177	0.2669	1.9100e-003		0.0242	0.0242		0.0242	0.0242		381.2500	381.2500	7.3100e-003	6.9900e-003	383.5156
Natural Gas Unmitigated	0.0350	0.3177	0.2669	1.9100e-003		0.0242	0.0242		0.0242	0.0242		381.2500	381.2500	7.3100e-003	6.9900e-003	383.5156

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	2804.76	0.0303	0.2750	0.2310	1.6500e-003		0.0209	0.0209		0.0209	0.0209		329.9715	329.9715	6.3200e-003	6.0500e-003	331.9324
Unrefrigerated Warehouse-No Rail	435.867	4.7000e-003	0.0427	0.0359	2.6000e-004		3.2500e-003	3.2500e-003		3.2500e-003	3.2500e-003		51.2785	51.2785	9.8000e-004	9.4000e-004	51.5832
Total		0.0350	0.3177	0.2669	1.9100e-003		0.0242	0.0242		0.0242	0.0242		381.2500	381.2500	7.3000e-003	6.9900e-003	383.5156

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks OPLST - 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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	2.80476	0.0303	0.2750	0.2310	1.6500e-003		0.0209	0.0209		0.0209	0.0209		329.9715	329.9715	6.3200e-003	6.0500e-003	331.9324
Unrefrigerated Warehouse-No Rail	0.435867	4.7000e-003	0.0427	0.0359	2.6000e-004		3.2500e-003	3.2500e-003		3.2500e-003	3.2500e-003		51.2785	51.2785	9.8000e-004	9.4000e-004	51.5832
Total		0.0350	0.3177	0.2669	1.9100e-003		0.0242	0.0242		0.0242	0.0242		381.2500	381.2500	7.3000e-003	6.9900e-003	383.5156

6.0 Area Detail

6.1 Mitigation Measures Area

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks OPLST - 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	2.3193	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248
Unmitigated	2.3193	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248

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	0.2698					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0485					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0100e-003	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248
Total	2.3193	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks OPLST - 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	0.2698					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0485					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0100e-003	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248
Total	2.3193	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248

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	10	6.00	365	89	0.20	CNG

Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks OPLST - 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	0.1210	5.8479	70.0596	0.0115		0.1011	0.1011		0.1011	0.1011	0.0000	1,450.2438	1,450.2438	0.4690		1,461.9698
Total	0.1210	5.8479	70.0596	0.0115		0.1011	0.1011		0.1011	0.1011	0.0000	1,450.2438	1,450.2438	0.4690		1,461.9698

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Fire Pump	2	1	50	227	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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Seaton Avenue/Perry Street Industrial Project - Non-MHDT+HHDT Trucks OPLST - 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)	0.7450	2.0824	1.8997	3.5800e-003		0.1096	0.1096		0.1096	0.1096		381.1394	381.1394	0.0534		382.4753
Total	0.7450	2.0824	1.8997	3.5800e-003		0.1096	0.1096		0.1096	0.1096		381.1394	381.1394	0.0534		382.4753

11.0 Vegetation

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	19.79	1000sqft	0.45	19,790.00	0
Unrefrigerated Warehouse-No Rail	79.15	1000sqft	1.82	79,150.00	0
Other Asphalt Surfaces	3.31	Acre	3.31	144,183.60	0
Parking Lot	2.26	Acre	2.26	98,445.60	0
City Park	1.58	Acre	1.58	68,824.80	0

1.2 Other Project Characteristics

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

1.3 User Entered Comments & Non-Default Data

Project Characteristics -
 Land Use -
 Construction Phase - Operations Only
 Off-road Equipment -
 Off-road Equipment - OPerations Only
 Grading - Grading requires 37,400 cy cut and 16,540 cy fill with export of 20,860 cy

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - 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 - Trip rate for LDA+LDT+MDT+LHDT

Total trip rate = 4.96 trips/day

MHDT+HHDT = 13.4% of total trips = 0.665 trips/day

Onsite Trip distance for haul trucks = 0.2 miles

Consumer Products - Haul Truck OPERations Only

Area Coating - Haul Truck OPERations Only

Landscape Equipment - Haul Truck OPERations Only

Energy Use - Haul Truck OPERations Only

Water And Wastewater - Haul Truck OPERations Only

Solid Waste - Haul Truck OPERations Only

Construction Off-road Equipment Mitigation - Dust mitigation = 74% control with watering with 2 hour watering interval as per the Western Regional Air Partnership

Fugitive Dust Handbook (Table 3.7)

https://www.env.nm.gov/wp-content/uploads/sites/2/2017/02/WRAP_FDHandbook_Rev_06.pdf

Fleet Mix - Fleet Mix derived from Traffic Impact Study and CalEEMod fleet mix

Stationary Sources - Emergency Generators and Fire Pumps - Haul Truck OPERations Only

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	0.00
tblConsumerProducts	ROG_EF	1.98E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	2.37	0.00
tblEnergyUse	LightingElect	1.17	0.00
tblEnergyUse	NT24E	36.52	0.00
tblEnergyUse	NT24E	0.82	0.00
tblEnergyUse	NT24NG	48.51	0.00
tblEnergyUse	NT24NG	0.03	0.00

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblEnergyUse	T24E	0.95	0.00
tblEnergyUse	T24E	0.33	0.00
tblEnergyUse	T24NG	3.22	0.00
tblEnergyUse	T24NG	1.98	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	HHD	0.02	0.71
tblFleetMix	HHD	0.02	0.71
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDA	0.53	0.00
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	LDT1	0.06	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	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	LHD2	7.4220e-003	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MCY	0.02	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	MDV	0.14	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MH	5.7590e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.29
tblFleetMix	MHD	0.01	0.29
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	OBUS	6.3000e-004	0.00

Seaton Avenue/Perry Street Industrial Project
Data Attachment

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblFleetMix	OBUS	6.3000e-004	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	SBUS	1.1020e-003	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblFleetMix	UBUS	3.2100e-004	0.00
tblLandscapeEquipment	NumberSummerDays	250	1
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblSolidWaste	SolidWasteGenerationRate	0.14	0.00
tblSolidWaste	SolidWasteGenerationRate	18.60	0.00
tblSolidWaste	SolidWasteGenerationRate	74.40	0.00
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	7.94	8.39
tblVehicleEF	HHD	0.25	0.21
tblVehicleEF	HHD	2.7310e-003	2.6410e-003
tblVehicleEF	HHD	1,427.19	1,374.55
tblVehicleEF	HHD	1,313.58	1,256.69
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.22	0.22
tblVehicleEF	HHD	0.21	0.20
tblVehicleEF	HHD	7.34	6.82
tblVehicleEF	HHD	2.57	1.92

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	HHD	2.17	2.40
tblVehicleEF	HHD	3.4450e-003	2.7370e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	3.2960e-003	2.6180e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8960e-003	8.8950e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	2.0000e-006	1.0000e-006
tblVehicleEF	HHD	6.0000e-005	5.3000e-005
tblVehicleEF	HHD	0.57	0.57
tblVehicleEF	HHD	0.04	0.02
tblVehicleEF	HHD	2.3000e-005	2.0000e-005
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0000e-006	1.0000e-006
tblVehicleEF	HHD	6.0000e-005	5.3000e-005
tblVehicleEF	HHD	0.65	0.65
tblVehicleEF	HHD	0.06	0.04
tblVehicleEF	HHD	2.3000e-005	2.0000e-005
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	7.79	8.28
tblVehicleEF	HHD	0.25	0.21
tblVehicleEF	HHD	2.5850e-003	2.5010e-003
tblVehicleEF	HHD	1,418.27	1,357.07
tblVehicleEF	HHD	1,313.58	1,256.69
tblVehicleEF	HHD	0.02	0.02

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	HHD	0.22	0.21
tblVehicleEF	HHD	0.21	0.20
tblVehicleEF	HHD	3.0000e-006	2.0000e-006
tblVehicleEF	HHD	7.07	6.49
tblVehicleEF	HHD	2.42	1.81
tblVehicleEF	HHD	2.17	2.40
tblVehicleEF	HHD	3.0680e-003	2.4170e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	2.9360e-003	2.3130e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8960e-003	8.8950e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	6.7000e-005	5.8000e-005
tblVehicleEF	HHD	0.60	0.60
tblVehicleEF	HHD	0.04	0.02
tblVehicleEF	HHD	2.3000e-005	2.0000e-005
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	6.7000e-005	5.8000e-005
tblVehicleEF	HHD	0.68	0.69
tblVehicleEF	HHD	0.06	0.04
tblVehicleEF	HHD	2.3000e-005	2.0000e-005
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	8.15	8.55
tblVehicleEF	HHD	0.25	0.21
tblVehicleEF	HHD	2.7200e-003	2.6330e-003

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	HHD	1,439.51	1,398.70
tblVehicleEF	HHD	1,313.58	1,256.69
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	0.23	0.22
tblVehicleEF	HHD	0.21	0.20
tblVehicleEF	HHD	7.71	7.27
tblVehicleEF	HHD	2.55	1.91
tblVehicleEF	HHD	2.17	2.40
tblVehicleEF	HHD	3.9650e-003	3.1780e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	3.7930e-003	3.0400e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8960e-003	8.8950e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	2.0000e-006	1.0000e-006
tblVehicleEF	HHD	6.7000e-005	5.8000e-005
tblVehicleEF	HHD	0.53	0.52
tblVehicleEF	HHD	0.04	0.02
tblVehicleEF	HHD	2.4000e-005	2.1000e-005
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	2.0000e-006	1.0000e-006
tblVehicleEF	HHD	6.7000e-005	5.8000e-005
tblVehicleEF	HHD	0.60	0.60
tblVehicleEF	HHD	0.06	0.04
tblVehicleEF	HHD	2.4000e-005	2.1000e-005
tblVehicleEF	LDA	2.1670e-003	1.9160e-003

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	LDA	0.05	0.04
tblVehicleEF	LDA	0.61	0.57
tblVehicleEF	LDA	2.07	2.00
tblVehicleEF	LDA	259.71	250.08
tblVehicleEF	LDA	53.48	51.54
tblVehicleEF	LDA	4.4370e-003	4.1520e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.18	0.17
tblVehicleEF	LDA	1.3740e-003	1.3020e-003
tblVehicleEF	LDA	1.8360e-003	1.7530e-003
tblVehicleEF	LDA	1.2660e-003	1.1990e-003
tblVehicleEF	LDA	1.6880e-003	1.6120e-003
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	8.1920e-003	7.0950e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.21	0.19
tblVehicleEF	LDA	2.5530e-003	2.4740e-003
tblVehicleEF	LDA	5.2600e-004	5.1000e-004
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.23	0.21
tblVehicleEF	LDA	2.4690e-003	2.1830e-003
tblVehicleEF	LDA	0.04	0.04

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	LDA	0.75	0.70
tblVehicleEF	LDA	1.82	1.77
tblVehicleEF	LDA	282.39	271.87
tblVehicleEF	LDA	53.01	51.08
tblVehicleEF	LDA	4.2270e-003	3.9570e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.17	0.16
tblVehicleEF	LDA	1.3740e-003	1.3020e-003
tblVehicleEF	LDA	1.8360e-003	1.7530e-003
tblVehicleEF	LDA	1.2660e-003	1.1990e-003
tblVehicleEF	LDA	1.6880e-003	1.6120e-003
tblVehicleEF	LDA	0.13	0.12
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	9.2580e-003	8.0120e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.18	0.17
tblVehicleEF	LDA	2.7760e-003	2.6900e-003
tblVehicleEF	LDA	5.2100e-004	5.0600e-004
tblVehicleEF	LDA	0.13	0.12
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.09	0.09
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.20	0.18
tblVehicleEF	LDA	2.0910e-003	1.8500e-003
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.57	0.54

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	LDA	2.11	2.04
tblVehicleEF	LDA	253.49	244.11
tblVehicleEF	LDA	53.57	51.61
tblVehicleEF	LDA	4.3050e-003	4.0290e-003
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.18	0.17
tblVehicleEF	LDA	1.3740e-003	1.3020e-003
tblVehicleEF	LDA	1.8360e-003	1.7530e-003
tblVehicleEF	LDA	1.2660e-003	1.1990e-003
tblVehicleEF	LDA	1.6880e-003	1.6120e-003
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	7.9110e-003	6.8540e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.21	0.19
tblVehicleEF	LDA	2.4920e-003	2.4150e-003
tblVehicleEF	LDA	5.2700e-004	5.1100e-004
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.01	9.9630e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.23	0.21
tblVehicleEF	LDT1	6.9370e-003	5.9940e-003
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	1.43	1.27
tblVehicleEF	LDT1	2.34	2.24

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	LDT1	310.06	299.04
tblVehicleEF	LDT1	65.12	62.77
tblVehicleEF	LDT1	9.2710e-003	8.2700e-003
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT1	0.28	0.26
tblVehicleEF	LDT1	2.0960e-003	1.9160e-003
tblVehicleEF	LDT1	2.7320e-003	2.5270e-003
tblVehicleEF	LDT1	1.9290e-003	1.7630e-003
tblVehicleEF	LDT1	2.5120e-003	2.3230e-003
tblVehicleEF	LDT1	0.21	0.19
tblVehicleEF	LDT1	0.25	0.23
tblVehicleEF	LDT1	0.14	0.13
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.39	0.35
tblVehicleEF	LDT1	3.0480e-003	2.9590e-003
tblVehicleEF	LDT1	6.4000e-004	6.2100e-004
tblVehicleEF	LDT1	0.21	0.19
tblVehicleEF	LDT1	0.25	0.23
tblVehicleEF	LDT1	0.14	0.13
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.43	0.39
tblVehicleEF	LDT1	7.8400e-003	6.7740e-003
tblVehicleEF	LDT1	0.07	0.06
tblVehicleEF	LDT1	1.74	1.54
tblVehicleEF	LDT1	2.07	1.99
tblVehicleEF	LDT1	334.19	322.22

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	LDT1	64.52	62.22
tblVehicleEF	LDT1	8.8090e-003	7.8610e-003
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.27	0.25
tblVehicleEF	LDT1	2.0960e-003	1.9160e-003
tblVehicleEF	LDT1	2.7320e-003	2.5270e-003
tblVehicleEF	LDT1	1.9290e-003	1.7630e-003
tblVehicleEF	LDT1	2.5120e-003	2.3230e-003
tblVehicleEF	LDT1	0.40	0.37
tblVehicleEF	LDT1	0.31	0.28
tblVehicleEF	LDT1	0.27	0.25
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.34	0.31
tblVehicleEF	LDT1	3.2860e-003	3.1890e-003
tblVehicleEF	LDT1	6.3400e-004	6.1600e-004
tblVehicleEF	LDT1	0.40	0.37
tblVehicleEF	LDT1	0.31	0.28
tblVehicleEF	LDT1	0.27	0.25
tblVehicleEF	LDT1	0.05	0.04
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.38	0.34
tblVehicleEF	LDT1	6.6720e-003	5.7650e-003
tblVehicleEF	LDT1	0.08	0.07
tblVehicleEF	LDT1	1.34	1.19
tblVehicleEF	LDT1	2.39	2.30
tblVehicleEF	LDT1	302.73	292.00
tblVehicleEF	LDT1	65.25	62.89

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	LDT1	9.0390e-003	8.0620e-003
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.12	0.10
tblVehicleEF	LDT1	0.28	0.26
tblVehicleEF	LDT1	2.0960e-003	1.9160e-003
tblVehicleEF	LDT1	2.7320e-003	2.5270e-003
tblVehicleEF	LDT1	1.9290e-003	1.7630e-003
tblVehicleEF	LDT1	2.5120e-003	2.3230e-003
tblVehicleEF	LDT1	0.17	0.16
tblVehicleEF	LDT1	0.28	0.25
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.41	0.36
tblVehicleEF	LDT1	2.9760e-003	2.8900e-003
tblVehicleEF	LDT1	6.4200e-004	6.2200e-004
tblVehicleEF	LDT1	0.17	0.16
tblVehicleEF	LDT1	0.28	0.25
tblVehicleEF	LDT1	0.12	0.11
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.44	0.40
tblVehicleEF	LDT2	3.7850e-003	3.3780e-003
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.90	0.83
tblVehicleEF	LDT2	2.64	2.54
tblVehicleEF	LDT2	328.68	314.65
tblVehicleEF	LDT2	69.36	66.37
tblVehicleEF	LDT2	6.7960e-003	6.2000e-003

Seaton Avenue/Perry Street Industrial Project
Data Attachment

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.08	0.07
tblVehicleEF	LDT2	0.28	0.25
tblVehicleEF	LDT2	1.4270e-003	1.3600e-003
tblVehicleEF	LDT2	1.8750e-003	1.7980e-003
tblVehicleEF	LDT2	1.3130e-003	1.2520e-003
tblVehicleEF	LDT2	1.7240e-003	1.6530e-003
tblVehicleEF	LDT2	0.11	0.10
tblVehicleEF	LDT2	0.13	0.13
tblVehicleEF	LDT2	0.09	0.08
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.31	0.28
tblVehicleEF	LDT2	3.2310e-003	3.1130e-003
tblVehicleEF	LDT2	6.8200e-004	6.5700e-004
tblVehicleEF	LDT2	0.11	0.10
tblVehicleEF	LDT2	0.13	0.13
tblVehicleEF	LDT2	0.09	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.33	0.31
tblVehicleEF	LDT2	4.3030e-003	3.8410e-003
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	1.10	1.02
tblVehicleEF	LDT2	2.34	2.25
tblVehicleEF	LDT2	351.89	336.75
tblVehicleEF	LDT2	68.74	65.79
tblVehicleEF	LDT2	6.4890e-003	5.9220e-003
tblVehicleEF	LDT2	0.03	0.03

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.27	0.25
tblVehicleEF	LDT2	1.4270e-003	1.3600e-003
tblVehicleEF	LDT2	1.8750e-003	1.7980e-003
tblVehicleEF	LDT2	1.3130e-003	1.2520e-003
tblVehicleEF	LDT2	1.7240e-003	1.6530e-003
tblVehicleEF	LDT2	0.21	0.20
tblVehicleEF	LDT2	0.16	0.15
tblVehicleEF	LDT2	0.16	0.15
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.27	0.25
tblVehicleEF	LDT2	3.4590e-003	3.3320e-003
tblVehicleEF	LDT2	6.7600e-004	6.5100e-004
tblVehicleEF	LDT2	0.21	0.20
tblVehicleEF	LDT2	0.16	0.15
tblVehicleEF	LDT2	0.16	0.15
tblVehicleEF	LDT2	0.03	0.02
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.29	0.27
tblVehicleEF	LDT2	3.6320e-003	3.2420e-003
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.84	0.77
tblVehicleEF	LDT2	2.71	2.61
tblVehicleEF	LDT2	321.63	307.92
tblVehicleEF	LDT2	69.49	66.50
tblVehicleEF	LDT2	6.6180e-003	6.0380e-003
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.08	0.07

Seaton Avenue/Perry Street Industrial Project
Data Attachment

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	LDT2	0.28	0.26
tblVehicleEF	LDT2	1.4270e-003	1.3600e-003
tblVehicleEF	LDT2	1.8750e-003	1.7980e-003
tblVehicleEF	LDT2	1.3130e-003	1.2520e-003
tblVehicleEF	LDT2	1.7240e-003	1.6530e-003
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.13
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.31	0.29
tblVehicleEF	LDT2	3.1620e-003	3.0460e-003
tblVehicleEF	LDT2	6.8300e-004	6.5800e-004
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.14	0.13
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.34	0.32
tblVehicleEF	LHD1	4.7600e-003	4.6360e-003
tblVehicleEF	LHD1	4.8390e-003	4.3560e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.17	0.17
tblVehicleEF	LHD1	0.66	0.59
tblVehicleEF	LHD1	0.93	0.90
tblVehicleEF	LHD1	9.38	9.30
tblVehicleEF	LHD1	632.13	623.59
tblVehicleEF	LHD1	10.36	10.19
tblVehicleEF	LHD1	8.8800e-004	8.8600e-004

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.46	1.31
tblVehicleEF	LHD1	0.30	0.29
tblVehicleEF	LHD1	9.7900e-004	9.8800e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	9.8650e-003
tblVehicleEF	LHD1	2.2300e-004	2.1400e-004
tblVehicleEF	LHD1	9.3700e-004	9.4600e-004
tblVehicleEF	LHD1	2.5040e-003	2.5060e-003
tblVehicleEF	LHD1	9.9950e-003	9.4190e-003
tblVehicleEF	LHD1	2.0500e-004	1.9700e-004
tblVehicleEF	LHD1	3.0170e-003	2.8510e-003
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.4960e-003	1.4280e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.19	0.19
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	9.1000e-005	9.0000e-005
tblVehicleEF	LHD1	6.1480e-003	6.0650e-003
tblVehicleEF	LHD1	1.0300e-004	1.0100e-004
tblVehicleEF	LHD1	3.0170e-003	2.8510e-003
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.4960e-003	1.4280e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.19	0.19

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	4.7720e-003	4.6470e-003
tblVehicleEF	LHD1	4.9170e-003	4.4230e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.17	0.17
tblVehicleEF	LHD1	0.67	0.60
tblVehicleEF	LHD1	0.88	0.86
tblVehicleEF	LHD1	9.38	9.30
tblVehicleEF	LHD1	632.14	623.61
tblVehicleEF	LHD1	10.28	10.11
tblVehicleEF	LHD1	8.9000e-004	8.8800e-004
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.37	1.24
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	9.7900e-004	9.8800e-004
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	9.8650e-003
tblVehicleEF	LHD1	2.2300e-004	2.1400e-004
tblVehicleEF	LHD1	9.3700e-004	9.4600e-004
tblVehicleEF	LHD1	2.5040e-003	2.5060e-003
tblVehicleEF	LHD1	9.9950e-003	9.4190e-003
tblVehicleEF	LHD1	2.0500e-004	1.9700e-004
tblVehicleEF	LHD1	5.6440e-003	5.3200e-003
tblVehicleEF	LHD1	0.09	0.09
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.8600e-003	2.7140e-003
tblVehicleEF	LHD1	0.06	0.05

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	LHD1	0.20	0.19
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	9.1000e-005	9.0000e-005
tblVehicleEF	LHD1	6.1480e-003	6.0650e-003
tblVehicleEF	LHD1	1.0200e-004	1.0000e-004
tblVehicleEF	LHD1	5.6440e-003	5.3200e-003
tblVehicleEF	LHD1	0.09	0.09
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.8600e-003	2.7140e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.20	0.19
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	4.7590e-003	4.6350e-003
tblVehicleEF	LHD1	4.8280e-003	4.3480e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.17	0.17
tblVehicleEF	LHD1	0.66	0.59
tblVehicleEF	LHD1	0.93	0.90
tblVehicleEF	LHD1	9.38	9.30
tblVehicleEF	LHD1	632.12	623.59
tblVehicleEF	LHD1	10.37	10.19
tblVehicleEF	LHD1	8.8800e-004	8.8600e-004
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.44	1.30
tblVehicleEF	LHD1	0.30	0.29
tblVehicleEF	LHD1	9.7900e-004	9.8800e-004
tblVehicleEF	LHD1	0.01	0.01

Seaton Avenue/Perry Street Industrial Project
Data Attachment

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	LHD1	0.01	9.8650e-003
tblVehicleEF	LHD1	2.2300e-004	2.1400e-004
tblVehicleEF	LHD1	9.3700e-004	9.4600e-004
tblVehicleEF	LHD1	2.5040e-003	2.5060e-003
tblVehicleEF	LHD1	9.9950e-003	9.4190e-003
tblVehicleEF	LHD1	2.0500e-004	1.9700e-004
tblVehicleEF	LHD1	2.6630e-003	2.5030e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.3580e-003	1.2970e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.21	0.20
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	9.1000e-005	9.0000e-005
tblVehicleEF	LHD1	6.1480e-003	6.0650e-003
tblVehicleEF	LHD1	1.0300e-004	1.0100e-004
tblVehicleEF	LHD1	2.6630e-003	2.5030e-003
tblVehicleEF	LHD1	0.09	0.08
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3580e-003	1.2970e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.21	0.20
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD2	3.0860e-003	3.0000e-003
tblVehicleEF	LHD2	3.5550e-003	3.2750e-003
tblVehicleEF	LHD2	8.4670e-003	7.9190e-003
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.48	0.44
tblVehicleEF	LHD2	0.54	0.52

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	LHD2	14.77	14.66
tblVehicleEF	LHD2	631.11	622.68
tblVehicleEF	LHD2	7.16	7.02
tblVehicleEF	LHD2	1.8990e-003	1.8890e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.61	1.45
tblVehicleEF	LHD2	0.18	0.18
tblVehicleEF	LHD2	1.4480e-003	1.4570e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	1.1000e-004	1.0600e-004
tblVehicleEF	LHD2	1.3860e-003	1.3940e-003
tblVehicleEF	LHD2	2.7130e-003	2.7150e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	1.0100e-004	9.7000e-005
tblVehicleEF	LHD2	1.6110e-003	1.5300e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.1800e-004	7.9000e-004
tblVehicleEF	LHD2	0.06	0.05
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	1.4100e-004	1.4000e-004
tblVehicleEF	LHD2	6.0810e-003	5.9990e-003
tblVehicleEF	LHD2	7.1000e-005	7.0000e-005
tblVehicleEF	LHD2	1.6110e-003	1.5300e-003
tblVehicleEF	LHD2	0.04	0.04

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.1800e-004	7.9000e-004
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	3.0930e-003	3.0070e-003
tblVehicleEF	LHD2	3.5800e-003	3.2970e-003
tblVehicleEF	LHD2	8.1830e-003	7.6530e-003
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.49	0.45
tblVehicleEF	LHD2	0.51	0.50
tblVehicleEF	LHD2	14.77	14.66
tblVehicleEF	LHD2	631.12	622.69
tblVehicleEF	LHD2	7.12	6.98
tblVehicleEF	LHD2	1.9000e-003	1.8910e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.12	0.12
tblVehicleEF	LHD2	1.52	1.37
tblVehicleEF	LHD2	0.18	0.17
tblVehicleEF	LHD2	1.4480e-003	1.4570e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	1.1000e-004	1.0600e-004
tblVehicleEF	LHD2	1.3860e-003	1.3940e-003
tblVehicleEF	LHD2	2.7130e-003	2.7150e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	1.0100e-004	9.7000e-005
tblVehicleEF	LHD2	3.0380e-003	2.8830e-003

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.5540e-003	1.4920e-003
tblVehicleEF	LHD2	0.06	0.05
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	1.4100e-004	1.4000e-004
tblVehicleEF	LHD2	6.0810e-003	5.9990e-003
tblVehicleEF	LHD2	7.0000e-005	6.9000e-005
tblVehicleEF	LHD2	3.0380e-003	2.8830e-003
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.5540e-003	1.4920e-003
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	3.0850e-003	2.9980e-003
tblVehicleEF	LHD2	3.5470e-003	3.2690e-003
tblVehicleEF	LHD2	8.5290e-003	7.9760e-003
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.48	0.44
tblVehicleEF	LHD2	0.54	0.52
tblVehicleEF	LHD2	14.77	14.66
tblVehicleEF	LHD2	631.11	622.68
tblVehicleEF	LHD2	7.17	7.03
tblVehicleEF	LHD2	1.8990e-003	1.8890e-003
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.12	0.12

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	LHD2	1.59	1.44
tblVehicleEF	LHD2	0.18	0.18
tblVehicleEF	LHD2	1.4480e-003	1.4570e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	1.1000e-004	1.0600e-004
tblVehicleEF	LHD2	1.3860e-003	1.3940e-003
tblVehicleEF	LHD2	2.7130e-003	2.7150e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	1.0100e-004	9.7000e-005
tblVehicleEF	LHD2	1.2560e-003	1.1840e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8000e-004	6.5900e-004
tblVehicleEF	LHD2	0.06	0.05
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	1.4100e-004	1.4000e-004
tblVehicleEF	LHD2	6.0810e-003	5.9990e-003
tblVehicleEF	LHD2	7.1000e-005	7.0000e-005
tblVehicleEF	LHD2	1.2560e-003	1.1840e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.8000e-004	6.5900e-004
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	MCY	0.32	0.32
tblVehicleEF	MCY	0.24	0.24

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	MCY	19.26	18.95
tblVehicleEF	MCY	8.57	8.59
tblVehicleEF	MCY	208.19	208.09
tblVehicleEF	MCY	60.41	60.09
tblVehicleEF	MCY	0.07	0.07
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.26	0.26
tblVehicleEF	MCY	1.8040e-003	1.8420e-003
tblVehicleEF	MCY	2.8470e-003	2.7900e-003
tblVehicleEF	MCY	1.6870e-003	1.7220e-003
tblVehicleEF	MCY	2.6790e-003	2.6220e-003
tblVehicleEF	MCY	1.66	1.67
tblVehicleEF	MCY	0.84	0.84
tblVehicleEF	MCY	0.90	0.90
tblVehicleEF	MCY	2.14	2.12
tblVehicleEF	MCY	0.49	0.49
tblVehicleEF	MCY	1.82	1.81
tblVehicleEF	MCY	2.0600e-003	2.0590e-003
tblVehicleEF	MCY	5.9800e-004	5.9500e-004
tblVehicleEF	MCY	1.66	1.67
tblVehicleEF	MCY	0.84	0.84
tblVehicleEF	MCY	0.90	0.90
tblVehicleEF	MCY	2.64	2.62
tblVehicleEF	MCY	0.49	0.49
tblVehicleEF	MCY	1.98	1.97
tblVehicleEF	MCY	0.32	0.31
tblVehicleEF	MCY	0.22	0.22
tblVehicleEF	MCY	19.92	19.61

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	MCY	8.00	8.00
tblVehicleEF	MCY	209.15	209.06
tblVehicleEF	MCY	58.86	58.52
tblVehicleEF	MCY	0.06	0.06
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	0.98	0.97
tblVehicleEF	MCY	0.25	0.25
tblVehicleEF	MCY	1.8040e-003	1.8420e-003
tblVehicleEF	MCY	2.8470e-003	2.7900e-003
tblVehicleEF	MCY	1.6870e-003	1.7220e-003
tblVehicleEF	MCY	2.6790e-003	2.6220e-003
tblVehicleEF	MCY	3.29	3.31
tblVehicleEF	MCY	1.24	1.24
tblVehicleEF	MCY	2.05	2.05
tblVehicleEF	MCY	2.12	2.10
tblVehicleEF	MCY	0.49	0.49
tblVehicleEF	MCY	1.62	1.62
tblVehicleEF	MCY	2.0700e-003	2.0690e-003
tblVehicleEF	MCY	5.8200e-004	5.7900e-004
tblVehicleEF	MCY	3.29	3.31
tblVehicleEF	MCY	1.24	1.24
tblVehicleEF	MCY	2.05	2.05
tblVehicleEF	MCY	2.61	2.60
tblVehicleEF	MCY	0.49	0.49
tblVehicleEF	MCY	1.77	1.76
tblVehicleEF	MCY	0.32	0.31
tblVehicleEF	MCY	0.24	0.24
tblVehicleEF	MCY	18.80	18.50
tblVehicleEF	MCY	8.51	8.54

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	MCY	207.43	207.36
tblVehicleEF	MCY	60.33	60.03
tblVehicleEF	MCY	0.06	0.06
tblVehicleEF	MCY	0.02	0.02
tblVehicleEF	MCY	1.12	1.12
tblVehicleEF	MCY	0.26	0.26
tblVehicleEF	MCY	1.8040e-003	1.8420e-003
tblVehicleEF	MCY	2.8470e-003	2.7900e-003
tblVehicleEF	MCY	1.6870e-003	1.7220e-003
tblVehicleEF	MCY	2.6790e-003	2.6220e-003
tblVehicleEF	MCY	1.59	1.59
tblVehicleEF	MCY	1.03	1.03
tblVehicleEF	MCY	0.73	0.73
tblVehicleEF	MCY	2.13	2.11
tblVehicleEF	MCY	0.56	0.55
tblVehicleEF	MCY	1.82	1.81
tblVehicleEF	MCY	2.0530e-003	2.0520e-003
tblVehicleEF	MCY	5.9700e-004	5.9400e-004
tblVehicleEF	MCY	1.59	1.59
tblVehicleEF	MCY	1.03	1.03
tblVehicleEF	MCY	0.73	0.73
tblVehicleEF	MCY	2.63	2.61
tblVehicleEF	MCY	0.56	0.55
tblVehicleEF	MCY	1.98	1.98
tblVehicleEF	MDV	4.9040e-003	4.3280e-003
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	1.05	0.95
tblVehicleEF	MDV	3.10	2.94
tblVehicleEF	MDV	410.56	394.25

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	MDV	86.31	82.79
tblVehicleEF	MDV	9.4770e-003	8.6840e-003
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.10	0.09
tblVehicleEF	MDV	0.36	0.33
tblVehicleEF	MDV	1.4930e-003	1.4170e-003
tblVehicleEF	MDV	1.9530e-003	1.8520e-003
tblVehicleEF	MDV	1.3770e-003	1.3070e-003
tblVehicleEF	MDV	1.7960e-003	1.7030e-003
tblVehicleEF	MDV	0.13	0.12
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.41	0.37
tblVehicleEF	MDV	4.0340e-003	3.8980e-003
tblVehicleEF	MDV	8.4900e-004	8.1900e-004
tblVehicleEF	MDV	0.13	0.12
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.44	0.41
tblVehicleEF	MDV	5.5890e-003	4.9300e-003
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	1.28	1.16
tblVehicleEF	MDV	2.73	2.59
tblVehicleEF	MDV	435.21	417.67
tblVehicleEF	MDV	85.54	82.07

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	MDV	9.0810e-003	8.3300e-003
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.10	0.08
tblVehicleEF	MDV	0.34	0.31
tblVehicleEF	MDV	1.4930e-003	1.4170e-003
tblVehicleEF	MDV	1.9530e-003	1.8520e-003
tblVehicleEF	MDV	1.3770e-003	1.3070e-003
tblVehicleEF	MDV	1.7960e-003	1.7030e-003
tblVehicleEF	MDV	0.25	0.24
tblVehicleEF	MDV	0.19	0.18
tblVehicleEF	MDV	0.20	0.20
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.35	0.32
tblVehicleEF	MDV	4.2760e-003	4.1290e-003
tblVehicleEF	MDV	8.4100e-004	8.1200e-004
tblVehicleEF	MDV	0.25	0.24
tblVehicleEF	MDV	0.19	0.18
tblVehicleEF	MDV	0.20	0.20
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.39	0.35
tblVehicleEF	MDV	4.7070e-003	4.1550e-003
tblVehicleEF	MDV	0.09	0.08
tblVehicleEF	MDV	0.98	0.89
tblVehicleEF	MDV	3.17	3.01
tblVehicleEF	MDV	403.17	387.19
tblVehicleEF	MDV	86.46	82.93
tblVehicleEF	MDV	9.2510e-003	8.4810e-003

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.10	0.09
tblVehicleEF	MDV	0.36	0.33
tblVehicleEF	MDV	1.4930e-003	1.4170e-003
tblVehicleEF	MDV	1.9530e-003	1.8520e-003
tblVehicleEF	MDV	1.3770e-003	1.3070e-003
tblVehicleEF	MDV	1.7960e-003	1.7030e-003
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.42	0.38
tblVehicleEF	MDV	3.9610e-003	3.8280e-003
tblVehicleEF	MDV	8.5000e-004	8.2100e-004
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.46	0.42
tblVehicleEF	MH	9.2290e-003	8.3210e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.19	1.03
tblVehicleEF	MH	2.00	1.92
tblVehicleEF	MH	1,445.50	1,428.57
tblVehicleEF	MH	18.19	17.79
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.02	0.03

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	MH	1.58	1.53
tblVehicleEF	MH	0.23	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.3700e-004	2.2500e-004
tblVehicleEF	MH	3.3020e-003	3.3070e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.1800e-004	2.0700e-004
tblVehicleEF	MH	1.20	1.12
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.42	0.40
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.09	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	1.8000e-004	1.7600e-004
tblVehicleEF	MH	1.20	1.12
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.42	0.40
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.10	0.10
tblVehicleEF	MH	9.4350e-003	8.5010e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.22	1.05
tblVehicleEF	MH	1.87	1.79
tblVehicleEF	MH	1,445.55	1,428.62
tblVehicleEF	MH	17.96	17.58
tblVehicleEF	MH	0.06	0.06

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.47	1.42
tblVehicleEF	MH	0.22	0.22
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.3700e-004	2.2500e-004
tblVehicleEF	MH	3.3020e-003	3.3070e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.1800e-004	2.0700e-004
tblVehicleEF	MH	2.19	2.05
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.83	0.78
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.09	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	1.7800e-004	1.7400e-004
tblVehicleEF	MH	2.19	2.05
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.83	0.78
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.10	0.09
tblVehicleEF	MH	9.2120e-003	8.3060e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.19	1.03
tblVehicleEF	MH	2.02	1.94
tblVehicleEF	MH	1,445.49	1,428.57
tblVehicleEF	MH	18.21	17.81

Seaton Avenue/Perry Street Industrial Project
Data Attachment

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.56	1.51
tblVehicleEF	MH	0.23	0.23
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.3700e-004	2.2500e-004
tblVehicleEF	MH	3.3020e-003	3.3070e-003
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.1800e-004	2.0700e-004
tblVehicleEF	MH	1.19	1.10
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.39
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.09	0.09
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	1.8000e-004	1.7600e-004
tblVehicleEF	MH	1.19	1.10
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.41	0.39
tblVehicleEF	MH	0.08	0.07
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.10	0.10
tblVehicleEF	MHD	3.1740e-003	3.2310e-003
tblVehicleEF	MHD	3.4150e-003	1.3290e-003
tblVehicleEF	MHD	8.4360e-003	8.5180e-003
tblVehicleEF	MHD	0.34	0.36
tblVehicleEF	MHD	0.36	0.17

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	MHD	0.98	0.97
tblVehicleEF	MHD	72.73	69.20
tblVehicleEF	MHD	972.64	939.42
tblVehicleEF	MHD	8.27	8.50
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.13	0.12
tblVehicleEF	MHD	6.1560e-003	6.4640e-003
tblVehicleEF	MHD	0.57	0.40
tblVehicleEF	MHD	1.55	0.90
tblVehicleEF	MHD	1.38	1.74
tblVehicleEF	MHD	1.4440e-003	4.2800e-004
tblVehicleEF	MHD	0.05	9.3850e-003
tblVehicleEF	MHD	9.5000e-005	9.6000e-005
tblVehicleEF	MHD	1.3820e-003	4.0900e-004
tblVehicleEF	MHD	0.04	8.9760e-003
tblVehicleEF	MHD	8.7000e-005	8.9000e-005
tblVehicleEF	MHD	6.7900e-004	6.5600e-004
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.4200e-004	3.3500e-004
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	6.9000e-004	6.5600e-004
tblVehicleEF	MHD	9.2620e-003	8.9480e-003
tblVehicleEF	MHD	8.2000e-005	8.4000e-005
tblVehicleEF	MHD	6.7900e-004	6.5600e-004
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.02	0.02

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	MHD	3.4200e-004	3.3500e-004
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	3.0150e-003	3.0750e-003
tblVehicleEF	MHD	3.4390e-003	1.3500e-003
tblVehicleEF	MHD	8.1570e-003	8.2390e-003
tblVehicleEF	MHD	0.29	0.31
tblVehicleEF	MHD	0.36	0.18
tblVehicleEF	MHD	0.94	0.93
tblVehicleEF	MHD	73.65	69.18
tblVehicleEF	MHD	972.65	939.42
tblVehicleEF	MHD	8.20	8.42
tblVehicleEF	MHD	0.01	9.9870e-003
tblVehicleEF	MHD	0.13	0.12
tblVehicleEF	MHD	6.0920e-003	6.3950e-003
tblVehicleEF	MHD	0.57	0.39
tblVehicleEF	MHD	1.46	0.85
tblVehicleEF	MHD	1.38	1.74
tblVehicleEF	MHD	1.2200e-003	3.6400e-004
tblVehicleEF	MHD	0.05	9.3850e-003
tblVehicleEF	MHD	9.5000e-005	9.6000e-005
tblVehicleEF	MHD	1.1680e-003	3.4800e-004
tblVehicleEF	MHD	0.04	8.9760e-003
tblVehicleEF	MHD	8.7000e-005	8.9000e-005
tblVehicleEF	MHD	1.2990e-003	1.2520e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.6700e-004	6.4800e-004

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	6.9800e-004	6.5600e-004
tblVehicleEF	MHD	9.2620e-003	8.9480e-003
tblVehicleEF	MHD	8.1000e-005	8.3000e-005
tblVehicleEF	MHD	1.2990e-003	1.2520e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.6700e-004	6.4800e-004
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	3.4030e-003	3.4570e-003
tblVehicleEF	MHD	3.3980e-003	1.3140e-003
tblVehicleEF	MHD	8.5100e-003	8.5940e-003
tblVehicleEF	MHD	0.42	0.42
tblVehicleEF	MHD	0.36	0.17
tblVehicleEF	MHD	0.99	0.99
tblVehicleEF	MHD	71.45	69.22
tblVehicleEF	MHD	972.64	939.42
tblVehicleEF	MHD	8.30	8.52
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.13	0.12
tblVehicleEF	MHD	6.1960e-003	6.5070e-003
tblVehicleEF	MHD	0.56	0.41
tblVehicleEF	MHD	1.54	0.89
tblVehicleEF	MHD	1.38	1.74
tblVehicleEF	MHD	1.7540e-003	5.1700e-004

Seaton Avenue/Perry Street Industrial Project
Data Attachment

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	MHD	0.05	9.3850e-003
tblVehicleEF	MHD	9.5000e-005	9.6000e-005
tblVehicleEF	MHD	1.6780e-003	4.9400e-004
tblVehicleEF	MHD	0.04	8.9760e-003
tblVehicleEF	MHD	8.7000e-005	8.9000e-005
tblVehicleEF	MHD	5.2100e-004	4.9200e-004
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.7500e-004	2.6700e-004
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	6.7700e-004	6.5600e-004
tblVehicleEF	MHD	9.2610e-003	8.9480e-003
tblVehicleEF	MHD	8.2000e-005	8.4000e-005
tblVehicleEF	MHD	5.2100e-004	4.9200e-004
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	2.7500e-004	2.6700e-004
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	OBUS	8.6690e-003	8.5500e-003
tblVehicleEF	OBUS	6.2940e-003	4.7720e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.49	0.50
tblVehicleEF	OBUS	0.72	0.58
tblVehicleEF	OBUS	2.51	2.45
tblVehicleEF	OBUS	71.08	68.17

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	OBUS	1,371.04	1,337.43
tblVehicleEF	OBUS	20.56	20.30
tblVehicleEF	OBUS	9.0690e-003	8.6360e-003
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.33	0.25
tblVehicleEF	OBUS	1.20	0.81
tblVehicleEF	OBUS	0.66	0.73
tblVehicleEF	OBUS	5.9500e-004	8.2000e-005
tblVehicleEF	OBUS	0.02	7.9710e-003
tblVehicleEF	OBUS	1.9400e-004	1.9800e-004
tblVehicleEF	OBUS	5.6900e-004	7.8000e-005
tblVehicleEF	OBUS	0.02	7.6120e-003
tblVehicleEF	OBUS	1.7800e-004	1.8200e-004
tblVehicleEF	OBUS	2.6170e-003	2.6360e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	1.1260e-003	1.1390e-003
tblVehicleEF	OBUS	0.05	0.03
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.12	0.12
tblVehicleEF	OBUS	6.7800e-004	6.5100e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.0300e-004	2.0100e-004
tblVehicleEF	OBUS	2.6170e-003	2.6360e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	1.1260e-003	1.1390e-003
tblVehicleEF	OBUS	0.06	0.04

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	8.7200e-003	8.6200e-003
tblVehicleEF	OBUS	6.4100e-003	4.8760e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.48	0.50
tblVehicleEF	OBUS	0.73	0.59
tblVehicleEF	OBUS	2.35	2.29
tblVehicleEF	OBUS	70.99	67.44
tblVehicleEF	OBUS	1,371.06	1,337.45
tblVehicleEF	OBUS	20.28	20.03
tblVehicleEF	OBUS	9.0610e-003	8.5270e-003
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.32	0.23
tblVehicleEF	OBUS	1.12	0.75
tblVehicleEF	OBUS	0.65	0.73
tblVehicleEF	OBUS	5.0500e-004	7.3000e-005
tblVehicleEF	OBUS	0.02	7.9710e-003
tblVehicleEF	OBUS	1.9400e-004	1.9800e-004
tblVehicleEF	OBUS	4.8300e-004	6.9000e-005
tblVehicleEF	OBUS	0.02	7.6120e-003
tblVehicleEF	OBUS	1.7800e-004	1.8200e-004
tblVehicleEF	OBUS	4.7670e-003	4.8010e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.05
tblVehicleEF	OBUS	2.1480e-003	2.1640e-003
tblVehicleEF	OBUS	0.05	0.03
tblVehicleEF	OBUS	0.08	0.08

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	OBUS	0.12	0.11
tblVehicleEF	OBUS	6.7700e-004	6.4400e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.0100e-004	1.9800e-004
tblVehicleEF	OBUS	4.7670e-003	4.8010e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.07	0.06
tblVehicleEF	OBUS	2.1480e-003	2.1640e-003
tblVehicleEF	OBUS	0.06	0.04
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.13	0.12
tblVehicleEF	OBUS	8.6270e-003	8.4810e-003
tblVehicleEF	OBUS	6.2600e-003	4.7410e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.50	0.51
tblVehicleEF	OBUS	0.72	0.58
tblVehicleEF	OBUS	2.54	2.48
tblVehicleEF	OBUS	71.20	69.17
tblVehicleEF	OBUS	1,371.03	1,337.43
tblVehicleEF	OBUS	20.60	20.34
tblVehicleEF	OBUS	9.0880e-003	8.7930e-003
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.33	0.26
tblVehicleEF	OBUS	1.20	0.81
tblVehicleEF	OBUS	0.66	0.73
tblVehicleEF	OBUS	7.1900e-004	9.4000e-005
tblVehicleEF	OBUS	0.02	7.9710e-003
tblVehicleEF	OBUS	1.9400e-004	1.9800e-004

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	OBUS	6.8800e-004	9.0000e-005
tblVehicleEF	OBUS	0.02	7.6120e-003
tblVehicleEF	OBUS	1.7800e-004	1.8200e-004
tblVehicleEF	OBUS	2.3790e-003	2.3770e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	1.0720e-003	1.0810e-003
tblVehicleEF	OBUS	0.05	0.03
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.12	0.12
tblVehicleEF	OBUS	6.7900e-004	6.6000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.0400e-004	2.0100e-004
tblVehicleEF	OBUS	2.3790e-003	2.3770e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	1.0720e-003	1.0810e-003
tblVehicleEF	OBUS	0.06	0.04
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	SBUS	0.08	0.08
tblVehicleEF	SBUS	6.3720e-003	6.1380e-003
tblVehicleEF	SBUS	7.0630e-003	7.1540e-003
tblVehicleEF	SBUS	3.08	3.12
tblVehicleEF	SBUS	0.51	0.50
tblVehicleEF	SBUS	0.94	0.94
tblVehicleEF	SBUS	365.13	363.20
tblVehicleEF	SBUS	1,104.50	1,093.96
tblVehicleEF	SBUS	6.09	6.12

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	6.8130e-003	6.9980e-003
tblVehicleEF	SBUS	3.47	3.37
tblVehicleEF	SBUS	4.62	4.43
tblVehicleEF	SBUS	0.75	0.81
tblVehicleEF	SBUS	3.7440e-003	3.4460e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.2000e-005	4.4000e-005
tblVehicleEF	SBUS	3.5820e-003	3.2970e-003
tblVehicleEF	SBUS	2.6500e-003	2.6490e-003
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	3.9000e-005	4.1000e-005
tblVehicleEF	SBUS	1.4040e-003	1.5010e-003
tblVehicleEF	SBUS	9.3180e-003	0.01
tblVehicleEF	SBUS	0.36	0.37
tblVehicleEF	SBUS	6.7500e-004	7.2500e-004
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.4880e-003	3.4700e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.0000e-005	6.1000e-005
tblVehicleEF	SBUS	1.4040e-003	1.5010e-003
tblVehicleEF	SBUS	9.3180e-003	0.01
tblVehicleEF	SBUS	0.52	0.53
tblVehicleEF	SBUS	6.7500e-004	7.2500e-004
tblVehicleEF	SBUS	0.11	0.10

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.04	0.05
tblVehicleEF	SBUS	0.08	0.08
tblVehicleEF	SBUS	6.4450e-003	6.2090e-003
tblVehicleEF	SBUS	5.9200e-003	5.9970e-003
tblVehicleEF	SBUS	3.04	3.09
tblVehicleEF	SBUS	0.52	0.50
tblVehicleEF	SBUS	0.68	0.68
tblVehicleEF	SBUS	374.76	372.25
tblVehicleEF	SBUS	1,104.52	1,093.97
tblVehicleEF	SBUS	5.66	5.68
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	6.5890e-003	6.7690e-003
tblVehicleEF	SBUS	3.55	3.45
tblVehicleEF	SBUS	4.35	4.17
tblVehicleEF	SBUS	0.75	0.80
tblVehicleEF	SBUS	3.1630e-003	2.9130e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.2000e-005	4.4000e-005
tblVehicleEF	SBUS	3.0260e-003	2.7870e-003
tblVehicleEF	SBUS	2.6500e-003	2.6490e-003
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	3.9000e-005	4.1000e-005
tblVehicleEF	SBUS	2.5310e-003	2.7020e-003
tblVehicleEF	SBUS	9.8380e-003	0.01
tblVehicleEF	SBUS	0.36	0.37
tblVehicleEF	SBUS	1.2510e-003	1.3370e-003

Seaton Avenue/Perry Street Industrial Project
Data Attachment

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	3.5790e-003	3.5550e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	2.5310e-003	2.7020e-003
tblVehicleEF	SBUS	9.8380e-003	0.01
tblVehicleEF	SBUS	0.52	0.53
tblVehicleEF	SBUS	1.2510e-003	1.3370e-003
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	0.08	0.08
tblVehicleEF	SBUS	6.3640e-003	6.1310e-003
tblVehicleEF	SBUS	7.3130e-003	7.4110e-003
tblVehicleEF	SBUS	3.13	3.17
tblVehicleEF	SBUS	0.51	0.50
tblVehicleEF	SBUS	0.98	0.98
tblVehicleEF	SBUS	351.83	350.71
tblVehicleEF	SBUS	1,104.50	1,093.96
tblVehicleEF	SBUS	6.17	6.19
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	0.13	0.13
tblVehicleEF	SBUS	6.9070e-003	7.0960e-003
tblVehicleEF	SBUS	3.35	3.26
tblVehicleEF	SBUS	4.59	4.40
tblVehicleEF	SBUS	0.75	0.81
tblVehicleEF	SBUS	4.5460e-003	4.1830e-003
tblVehicleEF	SBUS	0.01	0.01

Seaton Avenue/Perry Street Industrial Project
Data Attachment

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	4.2000e-005	4.4000e-005
tblVehicleEF	SBUS	4.3490e-003	4.0020e-003
tblVehicleEF	SBUS	2.6500e-003	2.6490e-003
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	3.9000e-005	4.1000e-005
tblVehicleEF	SBUS	1.2200e-003	1.2920e-003
tblVehicleEF	SBUS	9.5110e-003	0.01
tblVehicleEF	SBUS	0.36	0.37
tblVehicleEF	SBUS	6.5000e-004	6.9700e-004
tblVehicleEF	SBUS	0.09	0.09
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.3620e-003	3.3520e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.2200e-003	1.2920e-003
tblVehicleEF	SBUS	9.5110e-003	0.01
tblVehicleEF	SBUS	0.52	0.53
tblVehicleEF	SBUS	6.5000e-004	6.9700e-004
tblVehicleEF	SBUS	0.11	0.10
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	UBUS	3.35	3.35
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	26.06	26.09
tblVehicleEF	UBUS	1.47	1.44
tblVehicleEF	UBUS	1,617.41	1,610.65
tblVehicleEF	UBUS	18.02	17.72
tblVehicleEF	UBUS	0.23	0.23

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.32	0.32
tblVehicleEF	UBUS	0.18	0.17
tblVehicleEF	UBUS	2.9840e-003	2.7900e-003
tblVehicleEF	UBUS	1.6200e-004	1.7300e-004
tblVehicleEF	UBUS	2.8400e-003	2.6530e-003
tblVehicleEF	UBUS	1.4900e-004	1.5900e-004
tblVehicleEF	UBUS	1.3840e-003	1.4420e-003
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	8.4400e-004	8.8500e-004
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	1.7120e-003	1.7160e-003
tblVehicleEF	UBUS	0.08	0.07
tblVehicleEF	UBUS	4.8660e-003	4.8150e-003
tblVehicleEF	UBUS	1.7800e-004	1.7500e-004
tblVehicleEF	UBUS	1.3840e-003	1.4420e-003
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	8.4400e-004	8.8500e-004
tblVehicleEF	UBUS	3.43	3.43
tblVehicleEF	UBUS	1.7120e-003	1.7160e-003
tblVehicleEF	UBUS	0.08	0.08
tblVehicleEF	UBUS	3.35	3.35
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	26.06	26.09
tblVehicleEF	UBUS	1.25	1.22
tblVehicleEF	UBUS	1,617.41	1,610.66
tblVehicleEF	UBUS	17.65	17.36
tblVehicleEF	UBUS	0.23	0.23
tblVehicleEF	UBUS	0.02	0.02

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	UBUS	0.31	0.31
tblVehicleEF	UBUS	0.17	0.16
tblVehicleEF	UBUS	2.9840e-003	2.7900e-003
tblVehicleEF	UBUS	1.6200e-004	1.7300e-004
tblVehicleEF	UBUS	2.8400e-003	2.6530e-003
tblVehicleEF	UBUS	1.4900e-004	1.5900e-004
tblVehicleEF	UBUS	2.4580e-003	2.5600e-003
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	1.6790e-003	1.7490e-003
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	1.6590e-003	1.6650e-003
tblVehicleEF	UBUS	0.07	0.07
tblVehicleEF	UBUS	4.8660e-003	4.8150e-003
tblVehicleEF	UBUS	1.7500e-004	1.7200e-004
tblVehicleEF	UBUS	2.4580e-003	2.5600e-003
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	1.6790e-003	1.7490e-003
tblVehicleEF	UBUS	3.43	3.43
tblVehicleEF	UBUS	1.6590e-003	1.6650e-003
tblVehicleEF	UBUS	0.08	0.07
tblVehicleEF	UBUS	3.35	3.35
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	26.06	26.09
tblVehicleEF	UBUS	1.46	1.42
tblVehicleEF	UBUS	1,617.41	1,610.65
tblVehicleEF	UBUS	18.00	17.70
tblVehicleEF	UBUS	0.23	0.23
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.32	0.31

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleEF	UBUS	0.18	0.17
tblVehicleEF	UBUS	2.9840e-003	2.7900e-003
tblVehicleEF	UBUS	1.6200e-004	1.7300e-004
tblVehicleEF	UBUS	2.8400e-003	2.6530e-003
tblVehicleEF	UBUS	1.4900e-004	1.5900e-004
tblVehicleEF	UBUS	1.4140e-003	1.4610e-003
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	8.8500e-004	9.2700e-004
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	2.0100e-003	2.0030e-003
tblVehicleEF	UBUS	0.08	0.07
tblVehicleEF	UBUS	4.8660e-003	4.8150e-003
tblVehicleEF	UBUS	1.7800e-004	1.7500e-004
tblVehicleEF	UBUS	1.4140e-003	1.4610e-003
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	8.8500e-004	9.2700e-004
tblVehicleEF	UBUS	3.43	3.43
tblVehicleEF	UBUS	2.0100e-003	2.0030e-003
tblVehicleEF	UBUS	0.08	0.08
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	CNW_TTP	41.00	100.00
tblVehicleTrips	CNW_TTP	41.00	100.00
tblVehicleTrips	CW_TL	16.60	0.20
tblVehicleTrips	CW_TL	16.60	0.20
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	CW_TTP	59.00	0.00

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.12	0.67
tblVehicleTrips	ST_TR	1.74	0.67
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	2.12	0.67
tblVehicleTrips	SU_TR	1.74	0.67
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	2.12	0.67
tblVehicleTrips	WD_TR	1.74	0.67
tblWater	IndoorWaterUseRate	4,576,437.50	0.00
tblWater	IndoorWaterUseRate	18,303,437.50	0.00
tblWater	OutdoorWaterUseRate	1,882,540.53	0.00

2.0 Emissions Summary

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - 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	0.0000	0.0000	0.0000	0.0000	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	lb/day										lb/day					
2022	0.0000	0.0000	0.0000	0.0000	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

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - 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	1.0100e-003	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0672	1.0571	0.9178	1.6800e-003	0.0120	9.1000e-004	0.0129	3.3800e-003	8.7000e-004	4.2500e-003		178.1458	178.1458	3.9000e-003	0.0280	186.5897
Stationary	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	0.0682	1.0572	0.9286	1.6800e-003	0.0120	9.5000e-004	0.0129	3.3800e-003	9.1000e-004	4.2900e-003		178.1690	178.1690	3.9600e-003	0.0280	186.6144

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - 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	1.0100e-003	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0672	1.0571	0.9178	1.6800e-003	0.0120	9.1000e-004	0.0129	3.3800e-003	8.7000e-004	4.2500e-003		178.1458	178.1458	3.9000e-003	0.0280	186.5897
Stationary	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	0.0682	1.0572	0.9286	1.6800e-003	0.0120	9.5000e-004	0.0129	3.3800e-003	9.1000e-004	4.2900e-003		178.1690	178.1690	3.9600e-003	0.0280	186.6144

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/3/2022	1/2/2022	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0
 Seaton Avenue/Perry Street Industrial Project
 Data Attachment

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

Acres of Paving: 5.57

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Crawler Tractors	0	8.00	212	0.43
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

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

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - 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 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	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

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	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

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - 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 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	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

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

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - 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	0.0672	1.0571	0.9178	1.6800e-003	0.0120	9.1000e-004	0.0129	3.3800e-003	8.7000e-004	4.2500e-003		178.1458	178.1458	3.9000e-003	0.0280	186.5897
Unmitigated	0.0672	1.0571	0.9178	1.6800e-003	0.0120	9.1000e-004	0.0129	3.3800e-003	8.7000e-004	4.2500e-003		178.1458	178.1458	3.9000e-003	0.0280	186.5897

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		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	13.26	13.26	13.26	965	965
Unrefrigerated Warehouse-No Rail	53.03	53.03	53.03	3,861	3,861
Total	66.29	66.29	66.29	4,826	4,826

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
Other Asphalt Surfaces	0.00	0.00	6.90	0.00	0.00	0.00	0	0	0

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - 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
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	0.20	0.20	0.20	0.00	0.00	100.00	100	0	0
Unrefrigerated Warehouse-No	0.20	0.20	0.20	0.00	0.00	100.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Asphalt Surfaces	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Parking Lot	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Refrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.290000	0.710000	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.290000	0.710000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - 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					
Natural Gas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Natural Gas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - Natural Gas

Unmitigated

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

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - 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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - 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	1.0100e-003	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248
Unmitigated	1.0100e-003	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0100e-003	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248
Total	1.0100e-003	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - 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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0100e-003	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248
Total	1.0100e-003	1.0000e-004	0.0109	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0232	0.0232	6.0000e-005		0.0248

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
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10.0 Stationary Equipment

Seaton Avenue/Perry Street Industrial Project - Haul Trucks OPLST - Riverside-South Coast County, Summer

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

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Fire Pump	0	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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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)	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

11.0 Vegetation

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

TRU Emission Factors

Region	Calendar Year	Vehicle Category	Model Year	Horsepower Bin	Fuel	HC_tpd	ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd	SOx_tpd	NH3_tpd	Fuel Consumption	sta_Activity_h	Total_Population	Horsepower_Hours_hhpy
Riverside (SC)	2022	TRU - Instate Truck TRU	Aggregate	25	Diesel	0.003363613	0.0040979	0.02718442	0.02216442	0.000758	0.052911	0.001324	0.001218	6F-06	5.36661466	414.5916357	328809.3343	241.939267	4636211.613
Riverside (SC)	2022	TRU - Instate Van TRU	Aggregate	25	Diesel	6.43554E-05	7.787E-05	9.26717E-05	0.000630126	0.000758	0.015121	3.07E-05	2.82E-05	1.39E-07	1.24241E-07	9.598086595	11925.72715	8.762474026	107331.5443
Riverside (SC)	2022	TRU - Instate Genset TRU	Aggregate	50	Diesel	0.001066954	0.001291014	0.001536414	0.002043081	0.015098	0.415088	6.76E-05	6.22E-05	3.83E-06	3.41062E-06	263.4828674	158729.8584	203.3119718	4999990.54
Riverside (SC)	2022	TRU - Instate Trailer TRU	Aggregate	50	Diesel	0.020959459	0.025360945	0.030181621	0.312258256	0.204062	4.807629	0.003228	0.00297	4.41E-05	3.95024E-05	3051.708681	1221903.942	922.2731109	41544734.02
Riverside (SC)	2022	TRU - Out-of-State Genset TRU	Aggregate	50	Diesel	0.000669079	0.000809586	0.000963474	0.012786001	0.009507	0.261558	4.25E-05	3.91E-05	2.41E-06	2.14912E-06	166.0277276	100020.0049	808.9358606	3150630.154
Riverside (SC)	2022	TRU - Out-of-State Trailer TRU	Aggregate	50	Diesel	0.011090915	0.013420007	0.015970917	0.179474167	0.118394	3.003215	0.0009	0.000828	2.76E-05	2.46762E-05	1906.331944	763295.1766	3637.792244	25952036
Riverside (SC)	2022	TRU - Ralcar TRU	Aggregate	50	Diesel	0.001148053	0.001389144	0.001653196	0.01857888	0.012255	0.310871	9.31E-05	8.57E-05	2.86E-06	2.55431E-06	197.3299141	79010.88373	245.0481771	2686370.047

PM10

Vehicle Category	Horsepower	Emissions (t/d)	Emissions (t/yr)	Emissions (grams/year)	Usage (hp-hr/yr)	Emission factor (grams/hp-hr)	Activity (hrs/year)	Horsepower (HP)	Emission Rate (grams/hr)
TRU - Instate Truck TRU	25	0.001324367	0.483394035	438921.7834	4636211.613	0.094672509	328809.3	14.1	1.33488237
TRU - Instate Van TRU	25	3.066E-05	0.01119091	10161.34664	107331.5443	0.094672509	11925.73	9	0.852052584
TRU - Instate Genset TRU	50	6.7599E-05	0.024672541	22402.66696	4999990.54	0.004480542	158729.9	31.5	0.141137069
TRU - Instate Trailer TRU	50	0.003227801	1.178417279	106795.73	41544734.02	0.02519539	1221904	34	0.87548431
TRU - Out-of-State Genset TRU	50	4.24792E-05	0.015504904	14078.45312	3150630.154	0.00468456	100020	31.5	0.140756373
TRU - Out-of-State Trailer TRU	50	0.000899504	0.328319113	298113.7543	25952036	0.011487105	763295.2	34	0.390561559
Weighted by Usage					0.023055283	Weighted by Activity			0.717

PM2.5

Vehicle Category	Horsepower	Emissions (t/d)	Emissions (t/yr)	Emissions (grams/year)	Usage (hp-hr/yr)	Emission factor (grams/hp-hr)	Activity (hrs/year)	Horsepower (HP)	Emission Rate (grams/hr)
TRU - Instate Truck TRU	25	0.001218418	0.444722512	392088.04013	4636211.613	0.009532066	328809.3	14.1	27.43455026
TRU - Instate Van TRU	25	2.82072E-05	0.010295638	9348.438906	107331.5443	0.087098709	11925.73	9	0.783888378
TRU - Instate Genset TRU	50	6.21883E-05	0.022698737	20610.4536	4999990.54	0.004122099	158729.9	31.5	0.129846103
TRU - Instate Trailer TRU	50	0.002969577	1.083895497	984177.1112	41544734.02	0.023689575	1221904	34	0.805445565
TRU - Out-of-State Genset TRU	50	3.90809E-05	0.014264512	12952.17687	3150630.154	0.00411098	100020	31.5	0.129495863
TRU - Out-of-State Trailer TRU	50	0.000827544	0.302053584	274264.6539	25952036	0.010568136	763295.2	34	0.359316634
Weighted by Usage					0.02121086	Weighted by Activity			0.660

NOx

Vehicle Category	Horsepower	Emissions (t/d)	Emissions (t/yr)	Emissions (grams/year)	Usage (hp-hr/yr)	Emission factor (grams/hp-hr)	Activity (hrs/year)	Horsepower (HP)	Emission Rate (grams/hr)
TRU - Instate Truck TRU	25	0.032643436	11.91485421	10818687.62	4636211.613	2.33518942	328809.3	14.1	32.90261709
TRU - Instate Van TRU	25	0.000755718	0.275837216	250460.1918	107331.5443	2.33518942	11925.73	9	21.00167048
TRU - Instate Genset TRU	50	0.015097813	5.51070178	500371.216	4999990.54	1.00074537	158729.9	31.5	31.5234781
TRU - Instate Trailer TRU	50	0.240451607	74.48248642	6763009.67	41544734.02	1.67879164	1221904	34	55.3483266
TRU - Out-of-State Genset TRU	50	0.009507149	3.470109443	3150895.375	3150630.154	1.000072754	100020	31.5	31.50229175
TRU - Out-of-State Trailer TRU	50	0.118393826	43.21374661	39238081.93	25952036	1.511946189	763295.2	34	51.40617041
Weighted by Usage					1.56848413	Weighted by Activity			48.784

CO

Vehicle Category	Horsepower	Emissions (t/d)	Emissions (t/yr)	Emissions (grams/year)	Usage (hp-hr/yr)	Emission factor (grams/hp-hr)	Activity (hrs/year)	Horsepower (HP)	Emission Rate (grams/hr)
TRU - Instate Truck TRU	25	0.027218442	9.934731505	9020378.206	4636211.613	1.945712784	328809.3	14.1	27.43455026
TRU - Instate Van TRU	25	0.000630126	0.22995989	208836.358	107331.5443	1.945712784	11925.73	9	17.51141506
TRU - Instate Genset TRU	50	0.020340381	7.424238962	6741208.977	4999990.54	1.348244346	158729.9	31.5	42.46969691
TRU - Instate Trailer TRU	50	0.312282556	113.9742634	103488631.2	41544734.02	2.49101682	1221904	34	84.69457187
TRU - Out-of-State Genset TRU	50	0.012786001	4.666890479	427356.555	3150630.154	1.344980638	100020	31.5	42.36689011
TRU - Out-of-State Trailer TRU	50	0.179474167	65.50807109	59481328.55	25952036	2.291971564	763295.2	34	77.92703318
Weighted by Usage					2.27859373	Weighted by Activity			70.871

ROG

Vehicle Category	Horsepower	Emissions (t/d)	Emissions (t/yr)	Emissions (grams/year)	Usage (hp-hr/yr)	Emission factor (grams/hp-hr)	Activity (hrs/year)	Horsepower (HP)	Emission Rate (grams/hr)
TRU - Instate Truck TRU	25	0.003363613	1.227718853	1114768.718	4636211.613	0.240448196	328809.3	14.1	3.390319563
TRU - Instate Van TRU	25	7.787E-05	0.028422551	25807.6762	107331.5443	0.240448196	11925.73	9	2.164033763
TRU - Instate Genset TRU	50	0.001291014	0.471220252	427867.9884	4999990.54	0.08557376	158729.9	31.5	2.695573427
TRU - Instate Trailer TRU	50	0.025360945	9.256745013	8405124.49	41544734.02	0.202015039	1221904	34	65.78711332
TRU - Out-of-State Genset TRU	50	0.000809586	0.295498859	268312.0644	3150630.154	0.085161682	100020	31.5	2.682592995
TRU - Out-of-State Trailer TRU	50	0.013420007	4.898302526	4447658.693	25952036	0.171379952	763295.2	34	5.826918379
Weighted by Usage					0.182726333	Weighted by Activity			5.683

SOx

Vehicle Category	Horsepower	Emissions (t/d)	Emissions (t/yr)	Emissions (grams/year)	Usage (hp-hr/yr)	Emission factor (grams/hp-hr)	Activity (hrs/year)	Horsepower (HP)	Emission Rate (grams/hr)
TRU - Instate Truck TRU	25	5.99574E-06	0.002180445	1987.1805	4636211.613	0.000428066	328809.3	14.1	0.006433446
TRU - Instate Van TRU	25	1.38806E-07	5.0664E-05	46.00295282	107331.5443	0.000428066	11925.73	9	0.003857455
TRU - Instate Genset TRU	50	3.83143E-06	0.001398471	1269.811699	4999990.54	0.000253963	158729.9	31.5	0.007999829
TRU - Instate Trailer TRU	50	4.41183E-05	0.016103168	14621.67639	41544734.02	0.00035195	1221904	34	0.011966306
TRU - Out-of-State Genset TRU	50	2.41438E-06	0.00088125	800.1751087	3150630.154	0.000253973	100020	31.5	0.008000151
TRU - Out-of-State Trailer TRU	50	2.76197E-05	0.010081199	9153.728443	25952036	0.000352717	763295.2	34	0.011992383
Weighted by Usage					0.000346787	Weighted by Activity			0.011

CO2

Vehicle Category	Horsepower	Emissions (t/d)	Emissions (t/yr)	Emissions (grams/year)	Usage (hp-hr/yr)	Emission factor (grams/hp-hr)	Activity (hrs/year)	Horsepower (HP)	Emission Rate (grams/hr)
TRU - Instate Truck TRU	25	0.653143188	238.3972635	216464715.3	4636211.613	46.68999894	328809.3	14.1	658.328985
TRU - Instate Van TRU	25	0.015120722	5.519063537	5011309.691	107331.5443	46.68999894	11925.73	9	420.2099904
TRU - Instate Genset TRU	50	0.415088065	151.5071438	137568486.6	4999990.54	27.51374937	158729.9	31.5	866.6831053
TRU - Instate Trailer TRU	50	4.807628915	1754.784554	1593344375	41544734.02	38.35249913	1221904	34	1303.98497
TRU - Out-of-State Genset TRU	50	0.36155829	95.46877579	86656548.42	3150630.154	27.51374937	100020	31.5	866.6831053
TRU - Out-of-State Trailer TRU	50	3.003214767	1096.17339	99525438.2	25952036	38.35249913	763295.2	34	1303.98497
Weighted by Usage					37.74554949	Weighted by Activity			1173.993

**Seaton Avenue/Perry Street Industrial Project
Emission Assumptions**

2022
Criteria +DPM Emissions

Final (8/26/2021)

1) Vehicle Emissions

(a) Truck and Auto Traffic	EMFAC2017
(b) Location	Riverside County (SC)
(c) Truck Mix	Project Trip Generation Memo EMFAC2017 to derive the % of diesel truck vehicles
(d) Vehicle Travel Speed	
Onsite Travel	5 mph
Offsite Travel	25 mph
(e) Truck Idle time:	15 minutes (truck idling) for LHDT, MHDT, and HHDT diesel trucks)
(f) Emission factors for	Criteria +DPM emissions
(g) Emissions calculated for	2022

2) Refrigerated Land Uses

Percentage of Buildings used for Refrigeration (applies to DSL MHDT and HHDT)	
Building 1	20%
Building 2	20%

TRU Onsite Operating Time **2 hours**

3) Traffic Allocation

1) Onsite travel emissions generated from vehicles traveling to building loading docks		
2) Onsite idling emissions generated only for heavy duty diesel trucks		
3) Offsite travel trips allocated in accordance with the Traffic Impact Memorandum		
4) Trip Allocation	Building Size	%Total
Building 1	49,470	50%
Building 2	49,470	50%
	98,940	100%

4) Emission Source Configuration

- 1) Vehicle traffic represented by a line source
- 2) Onsite idling represented as a line source

5) Vehicle Trip Lengths

Onsite Travel Links

	Travel Distance (mi)
All Onsite Trips Distance	0.2
Building 2 driveway to Loading Docks	0.2

Off site Travel Links

	Travel Distance (mi)
All Offsite Trip Distances	40

6) Other Input Parameters

Facility Operations for Warehouses (hr/day):	24
Annual Operations (days/year)	365

Seaton Avenue/Perry Street Industrial Project
Vehicle Trip Allocation to Buildings (proportional to the relative size of buildings)

2022

Building	Building Size Total (sq-ft)
Building 1	49,470
Building 2	49,470
Total	98,940

Trip Generation

Trip Generation Rate 4.96 trips/TSF as per Traffic Trip Generation Memorandum

Building	trips/day (Non-PCE)
Building 1	245
Building 2	245
Total	491

Vehicle Fleet Distribution	% Trips
Building 1	50%
Building 2	50%

Vehicle Fleet Mix from Trip Generation Memo

Vehicle Distribution	Daily Trips	Building 1	Building 2	Building 3	Building 4	Building 5
LDA (Passenger Vehicles)	78.60%	386	193	193	0	0
LHDT (2 axle truck)	8.00%	39	20	20	0	0
MHDT(3 axle truck)	3.90%	19	10	10	0	0
HHDT (4+ axle truck)	9.50%	47	23	23	0	0
	100.0%	491	245	245	0	0

Passenger Vehicle Fleet Mix

CaIEEMod Default Mix	% Total	Daily Trips	Building 1	Building 2	Building 3	Building 4	Building 5
LDA	54.50%	238	119	119	0	0	0
LDT1	3.60%	16	8	8	0	0	0
LDT2	18.60%	81	41	41	0	0	0
MDV	11.50%	50	25	25	0	0	0
Total	88.20%	386	193	193	0	0	0

Light Heavy Duty Fleet Mix

CaIEEMod Default Mix	% Total	Daily Trips	% Diesel	Number of Daily Diesel Trips	Number of Diesel Daily Trips Building 1	Building 2
LHDT1	1.50%	31	51.51%	16	8	8
LHDT2	0.40%	8	73.67%	6	3	3
Total	1.90%	39	Total	22	11	11

CaIEEMod Assumption: Passenger Vehicles + Local Trucks: LDA+LDT+MDT+LHDT w/CaIEEMod default trip distances

Fleet Mix	Total Trips	%Total	Daily Trip Rate (Trips/TSF)
LDA	238	56.1%	
LDT1	16	3.7%	
LDT2	81	19.1%	
MDV	50	11.8%	
LHDT1	31	7.3%	
LHDT2	8	1.9%	
Total	425	100.0%	4.30

CaIEEMod Assumption: Haul Trucks: MHDT +HHDT w/ trip distance of 40 miles

Fleet Mix	Total Trips	%Total	Daily Trip Rate (Trips/TSF)	% Diesel	Number of Daily Diesel Trips	Building 1	Building 2	Total
MHDT	19	29.1%		93.20%	18	9	9	18
HHDT	47	70.9%		99.98%	47	23	23	47
Total	66	100.0%	0.66	Total	64	32	32	64

Composite Fleet Mix	Number of Daily Trips	% Total
LDA	238	48.6%
LDT1	16	3.2%
LDT2	81	16.6%
MDV	50	10.2%
LHDT1	31	6.3%
LHDT2	8	1.7%
MHDT	19	3.9%
HHDT	47	9.5%
Total	491	100.0%

Seaton Avenue/Perry Street Industrial Project
 Emissions from Onsite Delivery and TRU Travel
 TRU Emissions -

Year: 2022

Operational TRU Onsite Emissions (LST and Regional Emission Analysis)

Assumption: Number of TRUs = % Cold Storage x Number of DSL LHDT1+LHDT2+MHDT + HHDT

AERMOD ID	On-Site Truck Delivery Emissions	Trip Length (mi)	Operations	DSL Daily	DSL Daily	DSL Daily	DSL Daily	DSL Daily	TRU-ROG (lbs/day)	TRU-NOX (lbs/day)	TRU_CO (lbs/day)	TRU-PM10 (lbs/day)	TRU-PM2.5 (lbs/day)	TRU-CO2 (lb/day)
				HHDT Truck Trips	MHDT Trucks Trips	LHDT1 Trucks Trips	LHDT2 Truck Trips	TRU Trips						
ONSITE1	All Onsite Travel	0.200	24	47	18	16	6	17	8.51E-03	7.31E-02	1.06E-01	1.07E-03	9.88E-04	1.76E+00

Onsite Trip length for LST = 0.2 miles

Operation Days = 365
 Delivery Truck Hours (hrs/day) = 24
 Delivery Truck Speed (mph) = 5
 Daily TRU Emissions = Emission Rate (g/hr) * (TRU Trips/day / Speed (m/hr) * (miles/TRU Trip)

TRU Emission Factor

TRU Emission Rate ^a (g/hr) =	5.68	48.78	70.87	0.72	0.66	1173.99	grams/hour
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TRU run time during travel (hr) = Road Length (mi)/Truck Speed (mph)
 TRU emissions per link (g/day) = TRU Emission Rate (g/hr) x TRU run time during travel (hr) x # TRUs

Notes:
 TRU emission factor from OFFROAD2017

Seaton Avenue/Perry Street Industrial Project 2022 Onsite TRU Operational Idling Emissions (for Regional and LST Analysis)

Daily TRU emissions = TRU Emission Rate (g/hr) * TRU run time (min)/60 / Daily Hours (hr) * No. TRUs

AERMOD ID	User/ Location	Average Daily Truck Deliveries					TRU	TRU	TRU	TRU	TRU	TRU	TRU
		HHDT Trucks	MHDT Trucks	LHDT1 Trucks	LHDT2 Trucks	TRU Number	OP Time (hours/day)	ROG (lb/day)	NOx (lb/day)	CO (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO (lbs/day)
Truck Idling Sources													
	All Idling Sources - Building 1	23	9	8	3	8	2.000	2.00E-01	1.72E+00	2.50E+00	2.53E-02	2.32E-02	4.14E+01

Daily Operation = 24 per day
 Operation Days = 365 days/year
TRU Emissions ROG NOx CO PM10 PM2.5 CO2
 TRU Emission Rate = 5.68 48.78 70.87 0.72 0.66 1173.99 grams/hour

Notes:
 TRU emission factor from OFFROAD2017

Idling emission factor derived from CARB EMFAC2017 model as the fleet average for Riverside County in 2022

Seaton Avenue/Perry Street Industrial Project
Emissions from Offsite TRU Travel (for Regional Analysis)

Year: 2022

TRU Operations

Daily TRU Emissions = Emission Rate (g/hr) * (TRU Trips/day / Speed (m/hr) * (miles/TRU Trip)

Trip Description	Trip Length		Operations (hr)	Number of			Number of		TRU ROG (lbs/day)	TRU NOx (lbs/day)	TRU CO (lbs/day)	TRU PM10 (lbs/day)	TRU PM2.5 (lbs/day)	TRU CO2 (lbs/day)	
	MHDT+HHDT (mi)	LHDT (mi)		HHDT Trips (trips/day)	MHDT (trips/day)	LHDT1 (trips/day)	LHDT2 (trips/day)	TRU Trips - Haul Trucks (number)							TRU Trips - LHDT (number)
All Offsite Travel	40.000	16.600	24	47	18	16	6	12	4	2.40E-01	2.06E+00	3.00E+00	3.03E-02	2.79E-02	4.96E+01

Operation Days = 365

Delivery Truck Hours (hrs/day) = 24

Delivery Truck Speed (mph) = 25

TRU Emission Factor	ROG	NOx	CO	PM10	PM2.5	CO2
TRU Emission Rate ³ (g/hr) =	5.68	48.78	70.87	0.72	0.66	1173.99

Notes:

TRU emission factor from OFFROAD2017

Seaton Avenue/Perry Street Industrial Project

Summary of TRU Emissions - Regional Emissions

Onsite	ROG (lbs/day)	NOx (lbs/day)	CO (lbs/day)	PM10 (lbs/day)	PM2.5 (lbs/day)	CO2 (lbs/day)
Total	8.51E-03	7.31E-02	1.06E-01	1.07E-03	9.88E-04	1.76E+00

Idling	ROG (lbs/day)	NOx (lbs/day)	CO (lbs/day)	PM10 (lbs/day)	PM2.5 (lbs/day)	CO2 (lbs/day)
Total	2.00E-01	1.72E+00	2.50E+00	2.53E-02	2.32E-02	4.14E+01

Offsite	ROG (lbs/day)	NOx (lbs/day)	CO (lbs/day)	PM10 (lbs/day)	PM2.5 (lbs/day)	CO2 (lbs/day)
Total	2.40E-01	2.06E+00	3.00E+00	3.03E-02	2.79E-02	4.96E+01

Grand Total	ROG (lbs/day)	NOx (lbs/day)	CO (lbs/day)	PM10 (lbs/day)	PM2.5 (lbs/day)	CO2 (lbs/day)
Grand Total	4.49E-01	3.86E+00	5.60E+00	5.67E-02	5.21E-02	9.28E+01

	CO2 (tons/yr)	CO2 Mtons/yr
Grand Total	1.69E+01	1.56E+01

Seaton Avenue/Perry Street Industrial Project

Summary of TRU Emissions - Local Emissions

	ROG	NOx	CO	PM10	PM2.5	CO2
Onsite	(lbs/day)	(lbs/day)	(lbs/day)	(lbs/day)	(lbs/day)	(lbs/day)
Total	8.51E-03	7.31E-02	1.06E-01	1.07E-03	9.88E-04	1.76E+00
	ROG	NOx	CO	PM10	PM2.5	CO2
Idling	(lbs/day)	(lbs/day)	(lbs/day)	(lbs/day)	(lbs/day)	(lbs/day)
Total	2.00E-01	1.72E+00	2.50E+00	2.53E-02	2.32E-02	4.14E+01
Grand Total	2.09E-01	1.79E+00	2.60E+00	2.63E-02	2.42E-02	4.31E+01

Source: EN Riverside County (SC)

Region Type: Sub-Area

Region: Riverside (SC)

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

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

Region	Calendar Y	Vehicle Cal	Model Yea	Speed	Fuel	VMT	DSL-VMT	GAS-VMT	%DSL-VMT		
Riverside (	2022	LDA	Aggregate	Aggregate	Diesel	239612.1	LDA	239612.1	23700815	0.010009
Riverside (	2022	LDT1	Aggregate	Aggregate	Diesel	601.668	LDT1	601.668	2261930	0.000266
Riverside (	2022	LDT2	Aggregate	Aggregate	Diesel	48028.56	LDT2	48028.56	7165411	0.006658
Riverside (	2022	LHDT1	Aggregate	Aggregate	Diesel	530194.9	LHDT1	530194.9	499086.1	0.515112
Riverside (	2022	LHDT2	Aggregate	Aggregate	Diesel	205588.3	LHDT2	205588.3	73474.64	0.736709
Riverside (	2022	MDV	Aggregate	Aggregate	Diesel	137165.9	MDV	137165.9	5597390	0.023919
Riverside (	2022	T6-MHDT	Aggregate	Aggregate	Diesel	740259.9	T6-MHDT	740259.9	54049.91	0.931954
Riverside (	2022	T7-HHDT	Aggregate	Aggregate	Diesel	1943054	T7-HHDT	1943054	469.2901	0.999759
Riverside (	2022	LDA	Aggregate	Aggregate	Electricity	374200.2				
Riverside (	2022	LDT1	Aggregate	Aggregate	Electricity	14552.99	Total	3844505	39352626	43197131
Riverside (	2022	LDT2	Aggregate	Aggregate	Electricity	52184.74				
Riverside (	2022	MDV	Aggregate	Aggregate	Electricity	29245.37				
Riverside (2022	LDA	Aggregate	Aggregate	Gasoline	23700815	LHDT1	530194.9	499086.1	1029281	0.786705
Riverside (2022	LDT1	Aggregate	Aggregate	Gasoline	2261930	LHDT2	205588.3	73474.64	279062.9	0.213295
Riverside (	2022	LDT2	Aggregate	Aggregate	Gasoline	7165411		735783.2	572560.7	1308344
Riverside (	2022	LHDT1	Aggregate	Aggregate	Gasoline	499086.1				
Riverside (	2022	LHDT2	Aggregate	Aggregate	Gasoline	73474.64				
Riverside (	2022	MDV	Aggregate	Aggregate	Gasoline	5597390				
Riverside (	2022	T6-MHDT	Aggregate	Aggregate	Gasoline	54049.91				
Riverside (	2022	T7-HHDT	Aggregate	Aggregate	Gasoline	469.2901				

Source: EMFAC2017 (v1.0.3) Emission Rates

Region Type: Sub-Area

Region: Riverside (SC)

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, g/mile for RUNEX, PMBW and PMTW, mph for Speed

Region	Calendar Y	Vehicle Cal	Model Yea	Speed	Fuel	VMT	NOx_RUNI	PM2.5_RU	PM10_RUI	CO2_RUNI	CH4_RUNE	N2O_RUNI	ROG_RUNI	TOG_RUNI	CO_RUNE	SOx_RUNEX
Riverside (	2022	LHDT1	Aggregate		5 Diesel	913.1152	2.061171	0.073399	0.076718	1231.332	0.035676	0.193548	0.768091	0.87442	3.179126	0.011641
Riverside (	2022	LHDT2	Aggregate		5 Diesel	354.0694	1.760751	0.065215	0.068164	1301.353	0.035329	0.204555	0.760614	0.865908	3.230212	0.012302
Riverside (	2022	T6-MHDT	Aggregate		5 Diesel	1658.394	7.838315	0.067185	0.070223	2376.486	0.030909	0.373551	0.665454	0.757569	1.635134	0.022452
Riverside (	2022	T7-HHDT	Aggregate		5 Diesel	3508.63	14.9926	0.041514	0.043391	3689.988	0.023241	0.580015	0.500369	0.569631	2.674518	0.034861
Riverside (	2022	LHDT1	Aggregate		25 Diesel	9481.661	2.200071	0.026325	0.027515	511.0423	0.006156	0.080329	0.132534	0.150882	0.614222	0.004831
Riverside (	2022	LHDT2	Aggregate		25 Diesel	3676.607	1.769049	0.024954	0.026082	585.1806	0.005454	0.091982	0.117413	0.133666	0.54821	0.005532
Riverside (	2022	T6-MHDT	Aggregate		25 Diesel	14987.53	2.966699	0.034159	0.035704	1181.216	0.004869	0.185671	0.104827	0.119338	0.367141	0.011116
Riverside (	2022	T7-HHDT	Aggregate		25 Diesel	35994.02	5.2185	0.017516	0.018308	1749.633	0.005358	0.275018	0.115349	0.131316	0.588739	0.01653

Idling Emission Factors

2022 Annual	Riverside (	HHDT	IDLEX	PM10	0.015241
2022 Annual	Riverside (	LHDT1	IDLEX	PM10	0.466914
2022 Annual	Riverside (	LHDT2	IDLEX	PM10	0.625075
2022 Annual	Riverside (	MHDT	IDLEX	PM10	0.142127