

To:	Debbie Kinsinger, Principal Kinsinger Environmental Consulting 8885 Rio San Diego Dr. #237 San Diego, CA 92108 Debbie@KECBiz.com	From:	Johnson Johnson and Miller Air Quality Consulting Services Richard Miller, Managing Air Quality and Climate Change Specialist rmiller.jjm.environmental@gmail.com Kimber Johnson, Air Quality Specialist kjohnson.jjm.environmental@gmail.com
-----	--	-------	---

Letter Report Analyzing the Potential Air Quality and Greenhouse Gas Impacts from an Additional Unit for the Tentative Tract 36864 Project located in Corona, California

Date: April 11, 2023

The purpose of this Air Quality and Greenhouse Gas Analysis Letter Report is to document the potential air quality and greenhouse gas impacts associated with the construction of an Additional Unit for the Tentative Tract 36864 Project located in Corona, California.

JJM has completed the Air Quality, Greenhouse Gas Emissions, and Energy Technical Assessment for the Tentative Tract 36864 Project in the City of Corona (report dated October 26, 2021). Since completing the draft technical assessment, changes to the project description and project site plan have been made that require updates to the technical analysis or a letter from a qualified air quality consulting detailing the potential impacts due to the changes in the project. Proposed changes to the project are listed below:

- Lot B, previously designated as a retention basin, will no longer be designated as a retention basin,
- The total unit count for the proposed project will increase from 6 units to 7 units.

This analysis evaluates the revised project and supports the conclusion that the proposed changes to the project would not result in a new environmental impact to air quality, greenhouse gas, or energy resources.

Project Description

Site Location

The proposed Tentative Tract 36864 project is in the City of Corona, which is within Riverside County California. This portion of Riverside County is within the South Coast Air Basin (SoCAB or Basin) that includes all of Orange County as well as the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties. The South Coast Air Basin is located on a coastal plain with connecting broad valleys and low hills to the east. Regionally, the South Coast Air Basin is bounded by the Pacific Ocean to the southwest and high mountains to the east forming the inland perimeter.

The project applicant proposes to construct seven single-family homes on a 2.09-acre site south of Corona Avenue and west of the Interstate 15 freeway. This changed from the original analysis which was for six single-family homes and one retention basin on the same 2.09-acre site.

The project site is currently vacant.

Table 1 summarizes the land use description used to estimate emissions from the proposed project.

Table 1: Land Use Summary for Estimating Emissions

Land Use	Unit Amount	Size Metric	Lot Acreage
Single Family Housing	7.00	Dwelling Unit	2.09
Other Asphalt Surfaces	1.00	Acre	1.00

Modeling Parameters and Assumptions

Typical emission rates from construction activities were obtained from CalEEMod Version 2020.4.0, consistent with the methodology used in the 2021 TT 36864 Report). CalEEMod is a computer model published by the SCAQMD for estimating air pollutant emissions. Using CalEEMod, the peak daily air pollutant emissions were calculated and presented below. These emissions represent the highest level of emissions for each of the construction phases in terms of air pollutant emissions.

The analysis assesses the emissions associated with the construction of 7 single-family residential units on 2.09 acres and 1 acre of additional asphalt paving to account for emissions from construction of ancillary improvements and barricades. Consistent with assumptions used in the 2021 TT 36864 Report, construction of the proposed project is anticipated to last one year with a start date yet to be determined.

The proposed project would require various tasks including site preparation, grading, building construction, architectural coatings, and paving. The construction schedule utilized in the analysis represents a “worst-case” analysis scenario since emission factors for construction equipment decrease as the analysis year increases, due to improvements in technology and more stringent regulatory requirements. Therefore, construction emissions would decrease if the construction schedule moved to later years or is phased over multiple years. The duration of construction activity and associated equipment represent a reasonable approximation of the expected construction fleet as required per CEQA guidelines. The site-specific construction fleet may vary due to specific project needs at the time of construction. The construction schedule used to estimate emissions is included as part of Attachment A.

In order to estimate the off-road construction equipment mix and hours of operation, the CalEEMod default construction equipment and phase durations were used as a baseline and adjusted for the project. CalEEMod default construction equipment schedule and equipment activity are based on detailed construction industry studies. The construction equipment usage used to estimate emissions is included as part of Attachment A.

The project will be required to comply with existing SCAQMD rules for the reduction of fugitive dust emissions. SCAQMD Rule 403 establishes these procedures. Compliance with this rule is achieved through application of standard best management practices in construction and operation activities, such as application of water or chemical stabilizers to disturbed soils, managing haul road dust by application of water, covering haul vehicles, restricting vehicle speeds on unpaved roads to 15 mph, sweeping loose dirt from paved site access roadways, cessation of construction activity when winds exceed 25 mph and establishing a permanent, stabilizing ground cover on finished sites. In addition, projects that disturb 50 acres or more of soil or move 5,000 cubic yards of materials per day are required to submit a Fugitive Dust Control Plan or a Large Operation Notification Form to SCAQMD. Based on the size of the project area (approximately 2.09 acres) a Fugitive Dust Control Plan or Large Operation Notification would not be required.

SCAQMD’s Rule 403 minimum requirements require that the application of the best available dust control measures are used for all grading operations and include the application of water or other soil stabilizers in sufficient quantity to prevent the generation of visible dust plumes. Compliance with Rule 403 would require the use of water trucks during all phases where earth-moving operations would occur. Compliance with Rule 403 is required.

The maximum number of acres disturbed in a day would be 1 acre, as shown in Table 2.

Table 2: Maximum Number of Acres Disturbed per Day

Activity	Equipment	Number	Acres/8hr-day	Total Acres
Site Preparation	Rubber Tired Dozers	1	0.5	0.5
	Tractors/Loaders/Backhoes	3	0	0
<i>Total Per Activity</i>				0.5
Grading	Excavators	1	0	0
	Graders	1	0.5	0.5
	Rubber Tired Dozers	1	0.5	0.5
	Tractors/Loaders/Backhoes	3	0	0
<i>Total Per Activity</i>				1
Maximum Area Disturbed from Any Construction Activity				
Maximum Area Disturbed from Any Construction Activity				0.5
Source: South Coast AQMD, Fact Sheet for Applying CalEEMod to Localized Significance Thresholds. http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/caleemod-guidance.pdf?sfvrsn=2				

Criteria Pollutant and Greenhouse Gas Emission Estimation

Regional Construction Emissions

Construction emissions for the proposed project are compared to the applicable significance thresholds below in Table 3.

Table 3: Regional Significance - Construction Emissions (pounds/day)

Parameter	Pollutant Emissions (pounds/day)					
	VOC	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}
Total Construction Duration						
Maximum Daily Emissions	5.58	25.91	30.39	0.05	4.32	2.39
SCAQMD Thresholds	75	100	550	150	150	55
Exceeds Thresholds	No	No	No	No	No	No
Source: Attachment A						

The construction emissions for the proposed project would not exceed the SCAQMD’s daily emission thresholds at the regional level as demonstrated in Table 3, and therefore would be considered less than

significant. No mitigation is required, and the impact determination remains unchanged compared to the impact disclosed in the 2021 TT 36864 Report.

Localized Construction Emissions

Localized construction emissions for the proposed project are compared to the applicable significance thresholds below in Table 4.

Table 4: Localized Significance - Construction

Construction Activity	On-Site Pollutant Emissions (pounds/day)			
	NO _x	CO	PM ₁₀	PM _{2.5}
Site Preparation	13.82	10.30	3.24	1.95
Grading	20.86	15.27	3.71	2.20
Paving	9.52	12.19	0.49	0.45
Building Construction	15.62	16.36	0.81	0.76
Overlap Paving and Building Construction	25.14	28.56	1.30	1.21
Architectural Coating	1.30	1.81	0.07	0.07
Total Construction Duration				
Maximum Daily Construction Emissions	25.14	28.56	3.71	2.20
SCAQMD Screening Threshold for 25 meters (82 feet)^{1,2}	118	674	4	3
Exceeds Threshold?	No	No	No	No
Notes: ¹ Source: Calculated from CalEEMod and SCAQMD's Mass Rate Look-up Tables for a 1-acre disturbance area in SRA 22 Norco/Corona. ² According to LST methodology, any receptor located closer than 25 meters should be based on the 25-meter threshold.				

The data provided in Table 4 shows that none of the analyzed criteria pollutants would exceed the local emissions thresholds at the nearest sensitive receptors. Therefore, a less than significant local air quality impact would occur from construction of the proposed project. The impact determination remains unchanged compared to the impact disclosed in the 2021 TT 36864 Report.

Construction Greenhouse Gas Emissions

The GHG emissions from project construction equipment and worker vehicles are shown in Table 5. The emissions are from all phases of construction. The total construction emissions amortized over a period of 30 years are estimated at 11.6 metric tons of CO₂e per year. Annual CalEEMod output calculations are provided in Attachment A.

Table 5: Construction Greenhouse Gas Emissions

Parameter	Emissions (MTCO ₂ e) ¹
	Total
Total Construction Emissions	347.2
Averaged over 30 years²	11.6
Notes: ¹ MTCO ₂ e=metric tons of carbon dioxide4 equivalentents (includes carbon dioxide, methane and nitrous oxide). ² The emissions are averaged over 30 years because the average is added to the operational emissions, pursuant to SCAQMD. Source: CalEEMod Output (Attachment A).	

Because impacts from construction activities occur over a relatively short-term period, they contribute a relatively small portion of the overall lifetime project greenhouse gas emissions. In addition, greenhouse gas emission reduction measures for construction equipment are relatively limited. Therefore, a standard practice is to amortize construction emissions over the anticipated lifetime of a project, so that

greenhouse gas reduction measures will address construction GHG emissions as part of the operational greenhouse gas reduction strategies. The total emissions generated during construction were amortized based on the life of the development (30 years) and added to the operational emissions to determine the total emissions from the project, as shown further below.

Regional Operational Emissions

The operations-related criteria air quality impacts created by the proposed project have been analyzed through the use of CalEMod model. The operating emissions were based on year 2022, which is the worst-case anticipated opening year for the project. The year 2022 was selected, as this was the operational year used in the 2021 TT 36864 Report. The summer and winter emissions created by the proposed project's long-term operations were calculated and are summarized in Table 6.

Table 6: Regional Significance - Operational Emissions (lbs/day)

Activity	Pollutant Emissions (pounds/day) ¹					
	VOC	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}
Area Sources ²	0.29	0.11	0.62	0.00	0.01	0.01
Energy Usage ³	0.01	0.05	0.02	0.00	0.00	0.00
Mobile Sources ⁴	0.24	0.38	2.40	0.01	0.51	0.14
Total Emissions	0.54	0.54	3.04	0.01	0.53	0.16
SCAQMD Thresholds	55	55	550	150	150	55
Exceeds Threshold?	No	No	No	No	No	No
Notes: ¹ Source: CalEEMod Output (Attachment A). ² Area sources consist of emissions from consumer products, architectural coatings, and landscaping equipment. ³ Energy usage consists of emissions from generation of electricity and on-site natural gas usage. ⁴ Mobile sources consist of emissions from vehicles and road dust.						

The data provided in Table 6 shows that none of the analyzed criteria pollutants would exceed the applicable emissions thresholds. Therefore, a less than significant regional air quality impact would occur from operations of the proposed project. The impact determination remains unchanged compared to the impact disclosed in the 2021 TT 36864 Report.

Localized Operational Emissions

Localized operational emissions for the proposed project are compared to the applicable significance thresholds below in Table 7. The LST analysis only includes on-site sources; however, the CalEEMod software outputs do not separate on-site and off-site emissions for mobile sources. For a worst-case scenario assessment, the emissions shown in Table 7 include project-related mobile sources that were estimated using a trip length of 0.2 mile. This trip length represents an estimate of the amount of project-related new vehicle traffic that would occur on-site.

Table 7: Localized Significance - Operations

Activity	LST Pollutants ¹			
	NO _x (lbs/day)	CO (lbs/day)	PM ₁₀ (lbs/day)	PM _{2.5} (lbs/day)
Area Sources ²	0.11	0.62	0.01	0.01
Energy Usage ³	0.05	0.02	0.00	0.00
Vehicle Emissions ⁴	0.08	0.44	0.01	0.00
Total Emissions	0.24	1.09	0.03	0.02
SCAQMD Screening Threshold for 25 meters (82 feet)^{5,6}	170	1,007	2	2
Exceeds Threshold?	No	No	No	No
Notes:				

¹ Source: CalEEMod Output (Attachment A).
² Area sources consist of emissions from consumer products, architectural coatings, and landscaping equipment.
³ Energy usage consists of emissions from on-site natural gas usage.
⁴ Trip length adjusted to 0.2 mile to estimate on-site vehicular emissions.
⁵ According to LST methodology, any receptor located closer than 25 meters should be based on the 25-meter threshold.
⁶ Source of Screening Thresholds: SCAQMD's Mass Rate Look-up Tables for a 2-acre site in SRA 22 Norco/Corona.

As shown in Table 7, none of the analyzed criteria pollutants would exceed the local emissions thresholds at the nearest sensitive receptors. Therefore, a less than significant local air quality impact would occur from operations of the proposed project. The impact determination remains unchanged compared to the impact disclosed in the 2021 TT 36864 Report.

Operational Greenhouse Gas Emissions

Operational emissions occur over the life of the project. The total unmitigated operational emissions (including 11.6 metric tons of CO₂e per year to account for amortized construction emissions) for the project in the buildout year are 112.8 metric tons of CO₂e per year as shown in Table 8. Project emissions for the 2030 operational year are shown in Table 9.

Table 8: Project Greenhouse Gas Emissions During Operation (Buildout Year)

Emission Source	Emissions (MTCO ₂ e) with Regulation ¹
Area Source	1.6
Energy Source	12.0
Mobile Source	81.6
Waste	4.1
Water	1.8
<i>Subtotal (Operation)</i>	<i>101.2</i>
Amortized Construction Emissions (over 30 years)	11.6
Total Annual Emissions	112.8
Applicable Screening Threshold	3,000
Exceeds Screening Threshold (?)	No
Notes: MTCO ₂ e = metric tons of carbon dioxide equivalents Totals may not appear to sum exactly due to rounding. Source of emissions: CalEEMod Output (see Attachment A).	

Table 9: Project Greenhouse Gas Emissions During Operation (2030)

Emission Source	Emissions (MTCO ₂ e) with Regulation
Area Source	1.6
Energy Source	11.8
Mobile Source	64.0
Waste	4.1
Water	1.6
<i>Subtotal (Operation)</i>	<i>83.1</i>
Amortized Construction Emissions (over 30 years)	11.6
Total Annual Emissions	94.7
Applicable Adjusted "Substantial Progress" Screening Threshold	1,800
Exceeds Screening Threshold (?)	No
Notes: MTCO ₂ e = metric tons of carbon dioxide equivalents Totals may not appear to sum exactly due to rounding. Source of emissions: CalEEMod Output (see Attachment A).	

As shown in Table 8 and Table 9, estimated greenhouse gas emissions generated by the proposed project would not exceed the applicable thresholds in any scenario. Therefore, a less than significant greenhouse gas impact would occur from construction and operations of the proposed project. The impact determination remains unchanged compared to the impact disclosed in the 2021 TT 36864 Report.

Odors

Two situations create a potential for odor impact. The first occurs when a new odor source is located near an existing sensitive receptor. The second occurs when a new sensitive receptor locates near an existing source of odor. Odor impacts on residential areas and other sensitive receptors, such as hospitals, day-care centers, schools, etc. warrant the closest scrutiny, but consideration should also be given to other land uses where people may congregate, such as recreational facilities, worksites, and commercial areas.

Land uses that are typically identified as sources of objectionable odors include landfills, transfer stations, sewage treatment plants, wastewater pump stations, composting facilities, feed lots, coffee roasters, asphalt batch plants, and rendering plants. The project would not engage in any of these activities. Therefore, the project would not be considered to have the potential to expose persons to substantial sources of objectionable odors.

During construction, the various diesel-powered vehicles and equipment in use on-site would create localized odors. These odors would be temporary and would not likely be noticeable for extended periods of time beyond the project's site boundaries. The potential for diesel odor impacts is therefore less than significant.

The odor analysis in the original TT 3684 Report supported a less-than-significant impact. Changing one lot from a retention basin to residential unit would not result in new odor impacts. The project site is not located within the screening distances to any of the land use types that are known to produce odors; therefore, the surrounding uses would not cause substantial odor impacts to the project. The project is residential in nature, and project operations would not be anticipated to produce odorous emissions. Therefore, project operations would not create objectionable odors affecting a substantial number of people; the impact would be less than significant. The impact determination remains unchanged compared to the impact disclosed in the 2021 TT 36864 Report.

Summary

As previously noted, the purpose of this Air Quality and Greenhouse Gas Analysis Letter Report is to document the potential air quality and greenhouse gas impacts associated with the construction of an Additional Unit for the Tentative Tract 36864 Project located in Corona, California.

In summary, the proposed project is changing one lot from a retention basin to an additional residential unit (changing the total unit count for the proposed project to a total of seven units). As demonstrated in the analysis above, this change would not result in a new impact that was not previously disclosed in the 2021 TT 36864 Report. All air quality and greenhouse gas impacts would remain less than significant.

If you have any questions, please contact Richard Miller at (559) 392-3665 or via email at rmiller.jjm.environmental@gmail.com. Kimber Johnson is also available to answer questions at kjohnson.jjm.environmental@gmail.com.

Attachment

- Attachment A: CalEEMod Output Files for the Revised Tentative Tract 36864 Project

ATTACHMENT A
CalEEMod Output Files for the
Revised Tentative Tract 36864 Project

**Attachment A: CalEEMod Output
for the Revised Tentative Tract 36864 Project**

Table of Contents

Unmitigated Project Construction and Operations—Annual	1
Unmitigated Project Construction and Operations—Summer	32
Unmitigated Project Construction and Operations—Winter	59
Localized Operational Assessment—Summer	86
Localized Operational Assessment—Winter.....	101
Project 2030 Operations—Annual.....	116

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Annual

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

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	1.00	Acre	1.00	43,560.00	0
Single Family Housing	7.00	Dwelling Unit	2.09	13,510.00	20

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 - Earliest construction start date: April 2022
 Earliest project occupancy/start of operations: 2022
 Land Use - Seven (7) residential lots
 Total on-site disturbed area: 2.09 acres
 Additional area included to account for any adjacent roadway improvements + barrier
 Construction Phase - Earliest construction start date: April 2022 (applicant-provided information)
 No demolition
 Total construction duration: ~one (1) year (applicant-provided information)
 Off-road Equipment -
 Off-road Equipment -
 Off-road Equipment -
 Off-road Equipment -
 Off-road Equipment - Minimal site preparation (vacant site)

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Annual

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

Trips and VMT - Additional haul trips were added to each phase for mobilization/demobilization (2 haul trips per piece of equipment). Additional vendor trips were added to the paving phase to account for delivery of materials.

Demolition -

Grading - Import/export anticipated to balance on-site based on applicant-provided information
Included net export based on anticipated cut/fill to provide a conservative estimate of emissions

Cut: 3,570 c.y.

Fill: 2,194 c.y.

Net: 1,376 c.y.

Architectural Coating - SCAQMD Rule 1113 – Architectural Coatings

Vehicle Trips - Trip rates consistent with previous analysis

Rate/Du: 9.57 (Weekday), 10.08 (Sat), 8.77 (Sun)

Woodstoves - Compliance with SCAQMD Rule 445

Consumer Products - Updated based on 2017 ARB VOC inventory data and 2017 population estimates based on the State of California’s Department of Finance demographic projections were used to estimate a statewide VOC EF for 2017.

Area Coating - SCAQMD Rule 1113 – Architectural Coatings

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation - Compliance with SCAQMD Rule 403

Area Mitigation - Compliance with SCAQMD Rule 445

Energy Mitigation - 2019 Title 24 Standards accounted for in CalEEMod defaults; however, reductions from residential solar are not fully accounted for. 47,788 kWh/yr of on-site renewable energy for single-family housing (low density residential) included.

Water Mitigation - Compliance with Green Building Code Standards and California Model Water Efficient Landscape Ordinance

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConsumerProducts	ROG_EF	1.98E-05	1.62E-05
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblGrading	MaterialExported	0.00	1,376.00
tblLandUse	LandUseSquareFeet	12,600.00	13,510.00
tblLandUse	LotAcreage	2.27	2.09
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	3.00

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Annual

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

tblTripsAndVMT	HaulingTripNumber	0.00	8.00
tblTripsAndVMT	HaulingTripNumber	172.00	184.00
tblTripsAndVMT	HaulingTripNumber	0.00	18.00
tblTripsAndVMT	HaulingTripNumber	0.00	16.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblVehicleTrips	ST_TR	9.54	10.08
tblVehicleTrips	SU_TR	8.55	8.77
tblVehicleTrips	WD_TR	9.44	9.57
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Annual

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

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.1866	1.6875	1.7829	3.2100e-003	0.0756	0.0847	0.1603	0.0304	0.0795	0.1099	0.0000	279.6315	279.6315	0.0608	3.5000e-003	282.1933
2023	0.0889	0.3578	0.4173	7.4000e-004	7.0600e-003	0.0172	0.0242	1.9000e-003	0.0162	0.0181	0.0000	64.5122	64.5122	0.0132	6.1000e-004	65.0248
Maximum	0.1866	1.6875	1.7829	3.2100e-003	0.0756	0.0847	0.1603	0.0304	0.0795	0.1099	0.0000	279.6315	279.6315	0.0608	3.5000e-003	282.1933

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	0.1866	1.6875	1.7829	3.2100e-003	0.0483	0.0847	0.1329	0.0169	0.0795	0.0964	0.0000	279.6312	279.6312	0.0608	3.5000e-003	282.1931
2023	0.0889	0.3578	0.4173	7.4000e-004	7.0600e-003	0.0172	0.0242	1.9000e-003	0.0162	0.0181	0.0000	64.5122	64.5122	0.0132	6.1000e-004	65.0247
Maximum	0.1866	1.6875	1.7829	3.2100e-003	0.0483	0.0847	0.1329	0.0169	0.0795	0.0964	0.0000	279.6312	279.6312	0.0608	3.5000e-003	282.1931

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	33.06	0.00	14.82	41.74	0.00	10.55	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	4-1-2022	6-30-2022	0.7027	0.7027
2	7-1-2022	9-30-2022	0.5855	0.5855
3	10-1-2022	12-31-2022	0.5860	0.5860
4	1-1-2023	3-31-2023	0.4451	0.4451
		Highest	0.7027	0.7027

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	0.0499	2.0700e-003	0.0728	1.0000e-005		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	1.5468	1.5468	1.4000e-004	3.0000e-005	1.5581
Energy	1.0700e-003	9.1200e-003	3.8800e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	20.4540	20.4540	1.0400e-003	2.9000e-004	20.5678
Mobile	0.0360	0.0655	0.3754	8.7000e-004	0.0862	8.5000e-004	0.0871	0.0230	8.0000e-004	0.0238	0.0000	80.2292	80.2292	4.2600e-003	4.1100e-003	81.5618
Waste						0.0000	0.0000		0.0000	0.0000	1.6645	0.0000	1.6645	0.0984	0.0000	4.1238
Water						0.0000	0.0000		0.0000	0.0000	0.1447	1.6197	1.7644	0.0150	3.7000e-004	2.2489
Total	0.0870	0.0767	0.4521	9.4000e-004	0.0862	2.0900e-003	0.0883	0.0230	2.0400e-003	0.0251	1.8092	103.8497	105.6589	0.1188	4.8000e-003	110.0603

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Annual

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0499	2.1400e-003	0.0728	1.0000e-005		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	1.6308	1.6308	1.4000e-004	3.0000e-005	1.6426
Energy	1.0700e-003	9.1200e-003	3.8800e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	11.9790	11.9790	3.2000e-004	2.1000e-004	12.0491
Mobile	0.0360	0.0655	0.3754	8.7000e-004	0.0862	8.5000e-004	0.0871	0.0230	8.0000e-004	0.0238	0.0000	80.2292	80.2292	4.2600e-003	4.1100e-003	81.5618
Waste						0.0000	0.0000		0.0000	0.0000	1.6645	0.0000	1.6645	0.0984	0.0000	4.1238
Water						0.0000	0.0000		0.0000	0.0000	0.1158	1.2958	1.4115	0.0120	2.9000e-004	1.7991
Total	0.0870	0.0767	0.4521	9.4000e-004	0.0862	2.0900e-003	0.0883	0.0230	2.0400e-003	0.0251	1.7803	95.1348	96.9151	0.1151	4.6400e-003	101.1763

	ROG	NOx	CO	SO2	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	-0.01	-0.09	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.60	8.39	8.28	3.13	3.33	8.07

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	4/1/2022	4/7/2022	5	5	
2	Grading	Grading	4/8/2022	4/19/2022	5	8	
3	Building Construction	Building Construction	4/20/2022	3/7/2023	5	230	

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Annual

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

4	Paving	Paving	4/20/2022	5/13/2022	5	18
5	Architectural Coating	Architectural Coating	3/8/2023	3/31/2023	5	18

Acres of Grading (Site Preparation Phase): 2.5

Acres of Grading (Grading Phase): 8

Acres of Paving: 1

Residential Indoor: 27,358; Residential Outdoor: 9,119; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 2,614 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	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	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Annual

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

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	4	10.00	0.00	8.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	184.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	21.00	8.00	18.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	4.00	16.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	0.00	2.00	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					0.0164	0.0000	0.0164	8.4200e-003	0.0000	8.4200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.3300e-003	0.0346	0.0257	4.0000e-005		1.7200e-003	1.7200e-003		1.5800e-003	1.5800e-003	0.0000	3.9253	3.9253	1.2700e-003	0.0000	3.9570
Total	3.3300e-003	0.0346	0.0257	4.0000e-005	0.0164	1.7200e-003	0.0181	8.4200e-003	1.5800e-003	0.0100	0.0000	3.9253	3.9253	1.2700e-003	0.0000	3.9570

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Annual

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

3.2 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	1.0000e-005	5.4000e-004	1.1000e-004	0.0000	7.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.2226	0.2226	0.0000	4.0000e-005	0.2332
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	9.0000e-005	7.0000e-005	8.5000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2159	0.2159	1.0000e-005	1.0000e-005	0.2178
Total	1.0000e-004	6.1000e-004	9.6000e-004	0.0000	3.4000e-004	1.0000e-005	3.5000e-004	9.0000e-005	1.0000e-005	9.0000e-005	0.0000	0.4385	0.4385	1.0000e-005	5.0000e-005	0.4510

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.3900e-003	0.0000	6.3900e-003	3.2800e-003	0.0000	3.2800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.3300e-003	0.0346	0.0257	4.0000e-005		1.7200e-003	1.7200e-003		1.5800e-003	1.5800e-003	0.0000	3.9253	3.9253	1.2700e-003	0.0000	3.9570
Total	3.3300e-003	0.0346	0.0257	4.0000e-005	6.3900e-003	1.7200e-003	8.1100e-003	3.2800e-003	1.5800e-003	4.8600e-003	0.0000	3.9253	3.9253	1.2700e-003	0.0000	3.9570

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Annual

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

3.2 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	1.0000e-005	5.4000e-004	1.1000e-004	0.0000	7.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.2226	0.2226	0.0000	4.0000e-005	0.2332
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	9.0000e-005	7.0000e-005	8.5000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2159	0.2159	1.0000e-005	1.0000e-005	0.2178
Total	1.0000e-004	6.1000e-004	9.6000e-004	0.0000	3.4000e-004	1.0000e-005	3.5000e-004	9.0000e-005	1.0000e-005	9.0000e-005	0.0000	0.4385	0.4385	1.0000e-005	5.0000e-005	0.4510

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					0.0284	0.0000	0.0284	0.0137	0.0000	0.0137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7900e-003	0.0834	0.0611	1.2000e-004		3.7600e-003	3.7600e-003		3.4600e-003	3.4600e-003	0.0000	10.4219	10.4219	3.3700e-003	0.0000	10.5062
Total	7.7900e-003	0.0834	0.0611	1.2000e-004	0.0284	3.7600e-003	0.0322	0.0137	3.4600e-003	0.0172	0.0000	10.4219	10.4219	3.3700e-003	0.0000	10.5062

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Annual

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

3.3 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	2.9000e-004	0.0124	2.6400e-003	5.0000e-005	1.5900e-003	1.4000e-004	1.7200e-003	4.4000e-004	1.3000e-004	5.7000e-004	0.0000	5.1207	5.1207	7.0000e-005	8.1000e-004	5.3629
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	1.6000e-004	2.0400e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5181	0.5181	1.0000e-005	1.0000e-005	0.5228
Total	5.0000e-004	0.0126	4.6800e-003	6.0000e-005	2.2500e-003	1.4000e-004	2.3800e-003	6.2000e-004	1.3000e-004	7.5000e-004	0.0000	5.6389	5.6389	8.0000e-005	8.2000e-004	5.8856

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					0.0111	0.0000	0.0111	5.3500e-003	0.0000	5.3500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7900e-003	0.0834	0.0611	1.2000e-004		3.7600e-003	3.7600e-003		3.4600e-003	3.4600e-003	0.0000	10.4219	10.4219	3.3700e-003	0.0000	10.5062
Total	7.7900e-003	0.0834	0.0611	1.2000e-004	0.0111	3.7600e-003	0.0148	5.3500e-003	3.4600e-003	8.8100e-003	0.0000	10.4219	10.4219	3.3700e-003	0.0000	10.5062

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Annual

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

3.3 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	2.9000e-004	0.0124	2.6400e-003	5.0000e-005	1.5900e-003	1.4000e-004	1.7200e-003	4.4000e-004	1.3000e-004	5.7000e-004	0.0000	5.1207	5.1207	7.0000e-005	8.1000e-004	5.3629
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	1.6000e-004	2.0400e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5181	0.5181	1.0000e-005	1.0000e-005	0.5228
Total	5.0000e-004	0.0126	4.6800e-003	6.0000e-005	2.2500e-003	1.4000e-004	2.3800e-003	6.2000e-004	1.3000e-004	7.5000e-004	0.0000	5.6389	5.6389	8.0000e-005	8.2000e-004	5.8856

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	0.1561	1.4288	1.4973	2.4600e-003		0.0740	0.0740		0.0697	0.0697	0.0000	212.0286	212.0286	0.0508	0.0000	213.2985
Total	0.1561	1.4288	1.4973	2.4600e-003		0.0740	0.0740		0.0697	0.0697	0.0000	212.0286	212.0286	0.0508	0.0000	213.2985

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Annual

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

3.4 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	2.0000e-005	9.6000e-004	2.1000e-004	0.0000	1.2000e-004	1.0000e-005	1.3000e-004	3.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.3986	0.3986	1.0000e-005	6.0000e-005	0.4174
Vendor	1.1600e-003	0.0325	0.0110	1.3000e-004	4.6200e-003	4.5000e-004	5.0700e-003	1.3300e-003	4.3000e-004	1.7600e-003	0.0000	12.8186	12.8186	1.3000e-004	1.9000e-003	13.3888
Worker	6.7100e-003	5.2300e-003	0.0654	1.8000e-004	0.0211	1.1000e-004	0.0212	5.6100e-003	1.0000e-004	5.7100e-003	0.0000	16.5928	16.5928	4.5000e-004	4.6000e-004	16.7417
Total	7.8900e-003	0.0387	0.0765	3.1000e-004	0.0259	5.7000e-004	0.0264	6.9700e-003	5.4000e-004	7.5100e-003	0.0000	29.8100	29.8100	5.9000e-004	2.4200e-003	30.5479

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	0.1561	1.4288	1.4973	2.4600e-003		0.0740	0.0740		0.0697	0.0697	0.0000	212.0284	212.0284	0.0508	0.0000	213.2982
Total	0.1561	1.4288	1.4973	2.4600e-003		0.0740	0.0740		0.0697	0.0697	0.0000	212.0284	212.0284	0.0508	0.0000	213.2982

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Annual

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

3.4 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	2.0000e-005	9.6000e-004	2.1000e-004	0.0000	1.2000e-004	1.0000e-005	1.3000e-004	3.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.3986	0.3986	1.0000e-005	6.0000e-005	0.4174
Vendor	1.1600e-003	0.0325	0.0110	1.3000e-004	4.6200e-003	4.5000e-004	5.0700e-003	1.3300e-003	4.3000e-004	1.7600e-003	0.0000	12.8186	12.8186	1.3000e-004	1.9000e-003	13.3888
Worker	6.7100e-003	5.2300e-003	0.0654	1.8000e-004	0.0211	1.1000e-004	0.0212	5.6100e-003	1.0000e-004	5.7100e-003	0.0000	16.5928	16.5928	4.5000e-004	4.6000e-004	16.7417
Total	7.8900e-003	0.0387	0.0765	3.1000e-004	0.0259	5.7000e-004	0.0264	6.9700e-003	5.4000e-004	7.5100e-003	0.0000	29.8100	29.8100	5.9000e-004	2.4200e-003	30.5479

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0370	0.3380	0.3817	6.3000e-004		0.0164	0.0164		0.0155	0.0155	0.0000	54.4741	54.4741	0.0130	0.0000	54.7981
Total	0.0370	0.3380	0.3817	6.3000e-004		0.0164	0.0164		0.0155	0.0155	0.0000	54.4741	54.4741	0.0130	0.0000	54.7981

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Annual

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

3.4 Building Construction - 2023

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	1.9000e-004	5.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0980	0.0980	0.0000	2.0000e-005	0.1026
Vendor	2.0000e-004	6.4500e-003	2.5700e-003	3.0000e-005	1.1900e-003	5.0000e-005	1.2400e-003	3.4000e-004	5.0000e-005	3.9000e-004	0.0000	3.1631	3.1631	3.0000e-005	4.7000e-004	3.3033
Worker	1.6000e-003	1.1900e-003	0.0155	4.0000e-005	5.4200e-003	3.0000e-005	5.4500e-003	1.4400e-003	2.0000e-005	1.4600e-003	0.0000	4.1249	4.1249	1.0000e-004	1.1000e-004	4.1602
Total	1.8000e-003	7.8300e-003	0.0181	7.0000e-005	6.6400e-003	8.0000e-005	6.7200e-003	1.7900e-003	7.0000e-005	1.8600e-003	0.0000	7.3860	7.3860	1.3000e-004	6.0000e-004	7.5660

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	0.0370	0.3380	0.3817	6.3000e-004		0.0164	0.0164		0.0155	0.0155	0.0000	54.4741	54.4741	0.0130	0.0000	54.7980
Total	0.0370	0.3380	0.3817	6.3000e-004		0.0164	0.0164		0.0155	0.0155	0.0000	54.4741	54.4741	0.0130	0.0000	54.7980

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Annual

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

3.4 Building Construction - 2023

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	1.9000e-004	5.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0980	0.0980	0.0000	2.0000e-005	0.1026
Vendor	2.0000e-004	6.4500e-003	2.5700e-003	3.0000e-005	1.1900e-003	5.0000e-005	1.2400e-003	3.4000e-004	5.0000e-005	3.9000e-004	0.0000	3.1631	3.1631	3.0000e-005	4.7000e-004	3.3033
Worker	1.6000e-003	1.1900e-003	0.0155	4.0000e-005	5.4200e-003	3.0000e-005	5.4500e-003	1.4400e-003	2.0000e-005	1.4600e-003	0.0000	4.1249	4.1249	1.0000e-004	1.1000e-004	4.1602
Total	1.8000e-003	7.8300e-003	0.0181	7.0000e-005	6.6400e-003	8.0000e-005	6.7200e-003	1.7900e-003	7.0000e-005	1.8600e-003	0.0000	7.3860	7.3860	1.3000e-004	6.0000e-004	7.5660

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	8.7900e-003	0.0857	0.1098	1.7000e-004		4.3900e-003	4.3900e-003		4.0500e-003	4.0500e-003	0.0000	14.7383	14.7383	4.6300e-003	0.0000	14.8540
Paving	1.3100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0101	0.0857	0.1098	1.7000e-004		4.3900e-003	4.3900e-003		4.0500e-003	4.0500e-003	0.0000	14.7383	14.7383	4.6300e-003	0.0000	14.8540

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Annual

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

3.5 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	2.0000e-005	1.0800e-003	2.3000e-004	0.0000	1.4000e-004	1.0000e-005	1.5000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.4453	0.4453	1.0000e-005	7.0000e-005	0.4663
Vendor	6.0000e-005	1.6000e-003	5.4000e-004	1.0000e-005	2.3000e-004	2.0000e-005	2.5000e-004	7.0000e-005	2.0000e-005	9.0000e-005	0.0000	0.6304	0.6304	1.0000e-005	9.0000e-005	0.6585
Worker	6.3000e-004	4.9000e-004	6.1200e-003	2.0000e-005	1.9800e-003	1.0000e-005	1.9900e-003	5.3000e-004	1.0000e-005	5.3000e-004	0.0000	1.5544	1.5544	4.0000e-005	4.0000e-005	1.5683
Total	7.1000e-004	3.1700e-003	6.8900e-003	3.0000e-005	2.3500e-003	4.0000e-005	2.3900e-003	6.4000e-004	4.0000e-005	6.7000e-004	0.0000	2.6301	2.6301	6.0000e-005	2.0000e-004	2.6931

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	8.7900e-003	0.0857	0.1098	1.7000e-004		4.3900e-003	4.3900e-003		4.0500e-003	4.0500e-003	0.0000	14.7383	14.7383	4.6300e-003	0.0000	14.8540
Paving	1.3100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0101	0.0857	0.1098	1.7000e-004		4.3900e-003	4.3900e-003		4.0500e-003	4.0500e-003	0.0000	14.7383	14.7383	4.6300e-003	0.0000	14.8540

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Annual

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

3.5 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	2.0000e-005	1.0800e-003	2.3000e-004	0.0000	1.4000e-004	1.0000e-005	1.5000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.4453	0.4453	1.0000e-005	7.0000e-005	0.4663
Vendor	6.0000e-005	1.6000e-003	5.4000e-004	1.0000e-005	2.3000e-004	2.0000e-005	2.5000e-004	7.0000e-005	2.0000e-005	9.0000e-005	0.0000	0.6304	0.6304	1.0000e-005	9.0000e-005	0.6585
Worker	6.3000e-004	4.9000e-004	6.1200e-003	2.0000e-005	1.9800e-003	1.0000e-005	1.9900e-003	5.3000e-004	1.0000e-005	5.3000e-004	0.0000	1.5544	1.5544	4.0000e-005	4.0000e-005	1.5683
Total	7.1000e-004	3.1700e-003	6.8900e-003	3.0000e-005	2.3500e-003	4.0000e-005	2.3900e-003	6.4000e-004	4.0000e-005	6.7000e-004	0.0000	2.6301	2.6301	6.0000e-005	2.0000e-004	2.6931

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0483					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7200e-003	0.0117	0.0163	3.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	2.2979	2.2979	1.4000e-004	0.0000	2.3014
Total	0.0501	0.0117	0.0163	3.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	2.2979	2.2979	1.4000e-004	0.0000	2.3014

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Annual

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

3.6 Architectural Coating - 2023

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	1.1000e-004	3.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0533	0.0533	0.0000	1.0000e-005	0.0558
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e-004	9.0000e-005	1.1300e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3009	0.3009	1.0000e-005	1.0000e-005	0.3035
Total	1.2000e-004	2.0000e-004	1.1600e-003	0.0000	4.2000e-004	0.0000	4.2000e-004	1.1000e-004	0.0000	1.2000e-004	0.0000	0.3542	0.3542	1.0000e-005	2.0000e-005	0.3593

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	0.0483					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7200e-003	0.0117	0.0163	3.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	2.2979	2.2979	1.4000e-004	0.0000	2.3014
Total	0.0501	0.0117	0.0163	3.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	2.2979	2.2979	1.4000e-004	0.0000	2.3014

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Annual

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

3.6 Architectural Coating - 2023

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	1.1000e-004	3.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0533	0.0533	0.0000	1.0000e-005	0.0558
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e-004	9.0000e-005	1.1300e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3009	0.3009	1.0000e-005	1.0000e-005	0.3035
Total	1.2000e-004	2.0000e-004	1.1600e-003	0.0000	4.2000e-004	0.0000	4.2000e-004	1.1000e-004	0.0000	1.2000e-004	0.0000	0.3542	0.3542	1.0000e-005	2.0000e-005	0.3593

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0360	0.0655	0.3754	8.7000e-004	0.0862	8.5000e-004	0.0871	0.0230	8.0000e-004	0.0238	0.0000	80.2292	80.2292	4.2600e-003	4.1100e-003	81.5618
Unmitigated	0.0360	0.0655	0.3754	8.7000e-004	0.0862	8.5000e-004	0.0871	0.0230	8.0000e-004	0.0238	0.0000	80.2292	80.2292	4.2600e-003	4.1100e-003	81.5618

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	66.99	70.56	61.39	227,924	227,924
Total	66.99	70.56	61.39	227,924	227,924

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
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
Single Family Housing	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

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Annual

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

Historical Energy Use: N

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive 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	1.4125	1.4125	1.2000e-004	1.0000e-005	1.4198
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	9.8875	9.8875	8.3000e-004	1.0000e-004	9.9385
NaturalGas Mitigated	1.0700e-003	9.1200e-003	3.8800e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	10.5665	10.5665	2.0000e-004	1.9000e-004	10.6293
NaturalGas Unmitigated	1.0700e-003	9.1200e-003	3.8800e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	10.5665	10.5665	2.0000e-004	1.9000e-004	10.6293

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Annual

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
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
Single Family Housing	198009	1.0700e-003	9.1200e-003	3.8800e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	10.5665	10.5665	2.0000e-004	1.9000e-004	10.6293
Total		1.0700e-003	9.1200e-003	3.8800e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	10.5665	10.5665	2.0000e-004	1.9000e-004	10.6293

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					
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
Single Family Housing	198009	1.0700e-003	9.1200e-003	3.8800e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	10.5665	10.5665	2.0000e-004	1.9000e-004	10.6293
Total		1.0700e-003	9.1200e-003	3.8800e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	10.5665	10.5665	2.0000e-004	1.9000e-004	10.6293

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Annual

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

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	55752.6	9.8875	8.3000e-004	1.0000e-004	9.9385
Total		9.8875	8.3000e-004	1.0000e-004	9.9385

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	-23894	-4.2375	-0.0004	0.0000	-4.2594
Single Family Housing	31858.6	5.6500	4.8000e-004	6.0000e-005	5.6791
Total		1.4125	1.2000e-004	2.0000e-005	1.4198

6.0 Area Detail

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Annual

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

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive 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	0.0499	2.1400e-003	0.0728	1.0000e-005		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	1.6308	1.6308	1.4000e-004	3.0000e-005	1.6426
Unmitigated	0.0499	2.0700e-003	0.0728	1.0000e-005		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	1.5468	1.5468	1.4000e-004	3.0000e-005	1.5581

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Annual

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

6.2 Area by SubCategory

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	4.8300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0428					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.4000e-004	1.2300e-003	5.3000e-004	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.4288	1.4288	3.0000e-005	3.0000e-005	1.4373
Landscaping	2.1800e-003	8.3000e-004	0.0723	0.0000		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	0.1179	0.1179	1.1000e-004	0.0000	0.1208
Total	0.0499	2.0600e-003	0.0728	1.0000e-005		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	1.5468	1.5468	1.4000e-004	3.0000e-005	1.5581

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Annual

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	4.8300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0428					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.5000e-004	1.3100e-003	5.6000e-004	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	1.5129	1.5129	3.0000e-005	3.0000e-005	1.5219
Landscaping	2.1800e-003	8.3000e-004	0.0723	0.0000		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	0.1179	0.1179	1.1000e-004	0.0000	0.1208
Total	0.0499	2.1400e-003	0.0728	1.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004	0.0000	1.6308	1.6308	1.4000e-004	3.0000e-005	1.6426

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Annual

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	1.4115	0.0120	2.9000e-004	1.7991
Unmitigated	1.7644	0.0150	3.7000e-004	2.2489

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.456078 / 0.287528	1.7644	0.0150	3.7000e-004	2.2489
Total		1.7644	0.0150	3.7000e-004	2.2489

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Annual

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

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.364863 / 0.230022	1.4115	0.0120	2.9000e-004	1.7991
Total		1.4115	0.0120	2.9000e-004	1.7991

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1.6645	0.0984	0.0000	4.1238
Unmitigated	1.6645	0.0984	0.0000	4.1238

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Annual

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

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	8.2	1.6645	0.0984	0.0000	4.1238
Total		1.6645	0.0984	0.0000	4.1238

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	8.2	1.6645	0.0984	0.0000	4.1238
Total		1.6645	0.0984	0.0000	4.1238

9.0 Operational Offroad

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Annual

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

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

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Summer

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

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	1.00	Acre	1.00	43,560.00	0
Single Family Housing	7.00	Dwelling Unit	2.09	13,510.00	20

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 - Earliest construction start date: April 2022
 Earliest project occupancy/start of operations: 2022
 Land Use - Seven (7) residential lots
 Total on-site disturbed area: 2.09 acres
 Additional area included to account for any adjacent roadway improvements + barrier
 Construction Phase - Earliest construction start date: April 2022 (applicant-provided information)
 No demolition
 Total construction duration: ~one (1) year (applicant-provided information)
 Off-road Equipment -
 Off-road Equipment -
 Off-road Equipment -
 Off-road Equipment -
 Off-road Equipment - Minimal site preparation (vacant site)

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Summer

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

Trips and VMT - Additional haul trips were added to each phase for mobilization/demobilization (2 haul trips per piece of equipment). Additional vendor trips were added to the paving phase to account for delivery of materials.

Demolition -

Grading - Import/export anticipated to balance on-site based on applicant-provided information
Included net export based on anticipated cut/fill to provide a conservative estimate of emissions

Cut: 3,570 c.y.

Fill: 2,194 c.y.

Net: 1,376 c.y.

Architectural Coating - SCAQMD Rule 1113 – Architectural Coatings

Vehicle Trips - Trip rates consistent with previous analysis

Rate/Du: 9.57 (Weekday), 10.08 (Sat), 8.77 (Sun)

Woodstoves - Compliance with SCAQMD Rule 445

Consumer Products - Updated based on 2017 ARB VOC inventory data and 2017 population estimates based on the State of California’s Department of Finance demographic projections were used to estimate a statewide VOC EF for 2017.

Area Coating - SCAQMD Rule 1113 – Architectural Coatings

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation - Compliance with SCAQMD Rule 403

Area Mitigation - Compliance with SCAQMD Rule 445

Energy Mitigation - 2019 Title 24 Standards accounted for in CalEEMod defaults; however, reductions from residential solar are not fully accounted for. 47,788 kWh/yr of on-site renewable energy for single-family housing (low density residential) included.

Water Mitigation - Compliance with Green Building Code Standards and California Model Water Efficient Landscape Ordinance

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConsumerProducts	ROG_EF	1.98E-05	1.62E-05
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblGrading	MaterialExported	0.00	1,376.00
tblLandUse	LandUseSquareFeet	12,600.00	13,510.00
tblLandUse	LotAcreage	2.27	2.09
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	3.00

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Summer

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

tblTripsAndVMT	HaulingTripNumber	0.00	8.00
tblTripsAndVMT	HaulingTripNumber	172.00	184.00
tblTripsAndVMT	HaulingTripNumber	0.00	18.00
tblTripsAndVMT	HaulingTripNumber	0.00	16.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblVehicleTrips	ST_TR	9.54	10.08
tblVehicleTrips	SU_TR	8.55	8.77
tblVehicleTrips	WD_TR	9.44	9.57
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Summer

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

2.1 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	3.0124	25.8734	30.3935	0.0528	7.6746	1.3077	8.6504	3.5829	1.2220	4.4819	0.0000	5,071.3445	5,071.3445	1.1929	0.2260	5,117.2888
2023	5.5760	14.7015	17.1221	0.0304	0.2873	0.7032	0.9905	0.0774	0.6617	0.7391	0.0000	2,916.7045	2,916.7045	0.6143	0.0276	2,940.2712
Maximum	5.5760	25.8734	30.3935	0.0528	7.6746	1.3077	8.6504	3.5829	1.2220	4.4819	0.0000	5,071.3445	5,071.3445	1.1929	0.2260	5,117.2888

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	3.0124	25.8734	30.3935	0.0528	3.3409	1.3077	4.3168	1.4918	1.2220	2.3908	0.0000	5,071.3445	5,071.3445	1.1929	0.2260	5,117.2888
2023	5.5760	14.7015	17.1221	0.0304	0.2873	0.7032	0.9905	0.0774	0.6617	0.7391	0.0000	2,916.7045	2,916.7045	0.6143	0.0276	2,940.2712
Maximum	5.5760	25.8734	30.3935	0.0528	3.3409	1.3077	4.3168	1.4918	1.2220	2.3908	0.0000	5,071.3445	5,071.3445	1.1929	0.2260	5,117.2888

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	54.43	0.00	44.95	57.13	0.00	40.05	0.00	0.00	0.00	0.00	0.00	0.00

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Summer

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2898	0.1054	0.6202	6.6000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	127.0401	127.0401	3.4200e-003	2.3100e-003	127.8139
Energy	5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003		63.8223	63.8223	1.2200e-003	1.1700e-003	64.2015
Mobile	0.2423	0.3571	2.3977	5.3500e-003	0.5097	4.9500e-003	0.5146	0.1360	4.6500e-003	0.1407		544.9407	544.9407	0.0268	0.0257	553.2603
Total	0.5380	0.5125	3.0392	6.3300e-003	0.5097	0.0202	0.5298	0.1360	0.0199	0.1559	0.0000	735.8031	735.8031	0.0314	0.0292	745.2758

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	0.2905	0.1112	0.6227	7.0000e-004		0.0116	0.0116		0.0116	0.0116	0.0000	134.4519	134.4519	3.5600e-003	2.4500e-003	135.2697
Energy	5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003		63.8223	63.8223	1.2200e-003	1.1700e-003	64.2015
Mobile	0.2423	0.3571	2.3977	5.3500e-003	0.5097	4.9500e-003	0.5146	0.1360	4.6500e-003	0.1407		544.9407	544.9407	0.0268	0.0257	553.2603
Total	0.5386	0.5183	3.0416	6.3700e-003	0.5097	0.0206	0.5303	0.1360	0.0203	0.1563	0.0000	743.2148	743.2148	0.0315	0.0293	752.7316

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	-0.13	-1.13	-0.08	-0.63	0.00	-2.33	-0.09	0.00	-2.37	-0.30	0.00	-1.01	-1.01	-0.45	-0.48	-1.00

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	4/1/2022	4/7/2022	5	5	
2	Grading	Grading	4/8/2022	4/19/2022	5	8	
3	Building Construction	Building Construction	4/20/2022	3/7/2023	5	230	
4	Paving	Paving	4/20/2022	5/13/2022	5	18	
5	Architectural Coating	Architectural Coating	3/8/2023	3/31/2023	5	18	

Acres of Grading (Site Preparation Phase): 2.5

Acres of Grading (Grading Phase): 8

Acres of Paving: 1

Residential Indoor: 27,358; Residential Outdoor: 9,119; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 2,614 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Summer

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

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	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	4	10.00	0.00	8.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	184.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	21.00	8.00	18.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	4.00	16.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	0.00	2.00	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

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Summer

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

3.2 Site Preparation - 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					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.3312	13.8206	10.2958	0.0179		0.6877	0.6877		0.6327	0.6327		1,730.752 2	1,730.752 2	0.5598		1,744.746 2
Total	1.3312	13.8206	10.2958	0.0179	6.5523	0.6877	7.2401	3.3675	0.6327	4.0002		1,730.752 2	1,730.752 2	0.5598		1,744.746 2

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	5.0600e-003	0.2043	0.0454	9.2000e-004	0.0280	2.3800e-003	0.0304	7.6800e-003	2.2700e-003	9.9500e-003		98.1363	98.1363	1.3300e-003	0.0155	102.7763
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	0.0394	0.0255	0.3981	1.0200e-003	0.1118	5.6000e-004	0.1123	0.0296	5.1000e-004	0.0302		102.6894	102.6894	2.5600e-003	2.5400e-003	103.5109
Total	0.0445	0.2299	0.4435	1.9400e-003	0.1398	2.9400e-003	0.1427	0.0373	2.7800e-003	0.0401		200.8257	200.8257	3.8900e-003	0.0180	206.2873

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Summer

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

3.2 Site Preparation - 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					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	1.3312	13.8206	10.2958	0.0179		0.6877	0.6877		0.6327	0.6327	0.0000	1,730.752 2	1,730.752 2	0.5598		1,744.746 2
Total	1.3312	13.8206	10.2958	0.0179	2.5554	0.6877	3.2431	1.3133	0.6327	1.9460	0.0000	1,730.752 2	1,730.752 2	0.5598		1,744.746 2

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	5.0600e-003	0.2043	0.0454	9.2000e-004	0.0280	2.3800e-003	0.0304	7.6800e-003	2.2700e-003	9.9500e-003		98.1363	98.1363	1.3300e-003	0.0155	102.7763
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	0.0394	0.0255	0.3981	1.0200e-003	0.1118	5.6000e-004	0.1123	0.0296	5.1000e-004	0.0302		102.6894	102.6894	2.5600e-003	2.5400e-003	103.5109
Total	0.0445	0.2299	0.4435	1.9400e-003	0.1398	2.9400e-003	0.1427	0.0373	2.7800e-003	0.0401		200.8257	200.8257	3.8900e-003	0.0180	206.2873

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Summer

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

3.3 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					7.1044	0.0000	7.1044	3.4280	0.0000	3.4280			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.046 4	2,872.046 4	0.9289		2,895.268 4
Total	1.9486	20.8551	15.2727	0.0297	7.1044	0.9409	8.0452	3.4280	0.8656	4.2936		2,872.046 4	2,872.046 4	0.9289		2,895.268 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	0.0727	2.9374	0.6532	0.0132	0.4026	0.0341	0.4367	0.1104	0.0327	0.1430		1,410.709 5	1,410.709 5	0.0191	0.2222	1,477.409 8
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	0.5972	1.5200e-003	0.1677	8.3000e-004	0.1685	0.0445	7.7000e-004	0.0452		154.0341	154.0341	3.8400e-003	3.8100e-003	155.2664
Total	0.1318	2.9757	1.2504	0.0147	0.5702	0.0350	0.6052	0.1548	0.0334	0.1883		1,564.743 6	1,564.743 6	0.0229	0.2260	1,632.676 1

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Summer

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

3.3 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					2.7707	0.0000	2.7707	1.3369	0.0000	1.3369			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.046 4	2,872.046 4	0.9289		2,895.268 4
Total	1.9486	20.8551	15.2727	0.0297	2.7707	0.9409	3.7116	1.3369	0.8656	2.2025	0.0000	2,872.046 4	2,872.046 4	0.9289		2,895.268 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	0.0727	2.9374	0.6532	0.0132	0.4026	0.0341	0.4367	0.1104	0.0327	0.1430		1,410.709 5	1,410.709 5	0.0191	0.2222	1,477.409 8
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	0.5972	1.5200e-003	0.1677	8.3000e-004	0.1685	0.0445	7.7000e-004	0.0452		154.0341	154.0341	3.8400e-003	3.8100e-003	155.2664
Total	0.1318	2.9757	1.2504	0.0147	0.5702	0.0350	0.6052	0.1548	0.0334	0.1883		1,564.743 6	1,564.743 6	0.0229	0.2260	1,632.676 1

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Summer

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

3.4 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	2.5000e-004	0.0100	2.2200e-003	4.0000e-005	1.3700e-003	1.2000e-004	1.4900e-003	3.8000e-004	1.1000e-004	4.9000e-004		4.8002	4.8002	6.0000e-005	7.6000e-004	5.0271
Vendor	0.0130	0.3383	0.1176	1.4600e-003	0.0512	4.8800e-003	0.0561	0.0148	4.6700e-003	0.0194		154.3563	154.3563	1.6300e-003	0.0229	161.2184
Worker	0.0827	0.0536	0.8360	2.1300e-003	0.2347	1.1700e-003	0.2359	0.0623	1.0800e-003	0.0633		215.6477	215.6477	5.3800e-003	5.3400e-003	217.3729
Total	0.0960	0.4019	0.9559	3.6300e-003	0.2873	6.1700e-003	0.2935	0.0774	5.8600e-003	0.0832		374.8042	374.8042	7.0700e-003	0.0290	383.6185

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Summer

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

3.4 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	2.5000e-004	0.0100	2.2200e-003	4.0000e-005	1.3700e-003	1.2000e-004	1.4900e-003	3.8000e-004	1.1000e-004	4.9000e-004		4.8002	4.8002	6.0000e-005	7.6000e-004	5.0271
Vendor	0.0130	0.3383	0.1176	1.4600e-003	0.0512	4.8800e-003	0.0561	0.0148	4.6700e-003	0.0194		154.3563	154.3563	1.6300e-003	0.0229	161.2184
Worker	0.0827	0.0536	0.8360	2.1300e-003	0.2347	1.1700e-003	0.2359	0.0623	1.0800e-003	0.0633		215.6477	215.6477	5.3800e-003	5.3400e-003	217.3729
Total	0.0960	0.4019	0.9559	3.6300e-003	0.2873	6.1700e-003	0.2935	0.0774	5.8600e-003	0.0832		374.8042	374.8042	7.0700e-003	0.0290	383.6185

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Summer

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

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

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	1.7000e-004	7.8200e-003	2.1500e-003	4.0000e-005	1.3700e-003	9.0000e-005	1.4600e-003	3.8000e-004	9.0000e-005	4.7000e-004		4.5923	4.5923	7.0000e-005	7.2000e-004	4.8096
Vendor	9.0200e-003	0.2614	0.1076	1.4000e-003	0.0512	2.2800e-003	0.0535	0.0148	2.1800e-003	0.0169		148.2168	148.2168	1.5100e-003	0.0219	154.7814
Worker	0.0767	0.0474	0.7683	2.0600e-003	0.2347	1.1000e-003	0.2358	0.0623	1.0100e-003	0.0633		208.6855	208.6855	4.8200e-003	4.9300e-003	210.2742
Total	0.0859	0.3166	0.8781	3.5000e-003	0.2873	3.4700e-003	0.2908	0.0774	3.2800e-003	0.0807		361.4946	361.4946	6.4000e-003	0.0276	369.8652

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Summer

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

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

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	1.7000e-004	7.8200e-003	2.1500e-003	4.0000e-005	1.3700e-003	9.0000e-005	1.4600e-003	3.8000e-004	9.0000e-005	4.7000e-004		4.5923	4.5923	7.0000e-005	7.2000e-004	4.8096
Vendor	9.0200e-003	0.2614	0.1076	1.4000e-003	0.0512	2.2800e-003	0.0535	0.0148	2.1800e-003	0.0169		148.2168	148.2168	1.5100e-003	0.0219	154.7814
Worker	0.0767	0.0474	0.7683	2.0600e-003	0.2347	1.1000e-003	0.2358	0.0623	1.0100e-003	0.0633		208.6855	208.6855	4.8200e-003	4.9300e-003	210.2742
Total	0.0859	0.3166	0.8781	3.5000e-003	0.2873	3.4700e-003	0.2908	0.0774	3.2800e-003	0.0807		361.4946	361.4946	6.4000e-003	0.0276	369.8652

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Summer

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

3.5 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	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.1456					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1221	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091

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	2.8100e-003	0.1135	0.0253	5.1000e-004	0.0156	1.3200e-003	0.0169	4.2700e-003	1.2600e-003	5.5300e-003		54.5202	54.5202	7.4000e-004	8.5900e-003	57.0980
Vendor	6.5100e-003	0.1691	0.0588	7.3000e-004	0.0256	2.4400e-003	0.0281	7.3800e-003	2.3300e-003	9.7100e-003		77.1781	77.1781	8.2000e-004	0.0115	80.6092
Worker	0.0788	0.0511	0.7962	2.0300e-003	0.2236	1.1100e-003	0.2247	0.0593	1.0200e-003	0.0603		205.3788	205.3788	5.1200e-003	5.0800e-003	207.0218
Total	0.0881	0.3337	0.8803	3.2700e-003	0.2647	4.8700e-003	0.2696	0.0709	4.6100e-003	0.0756		337.0771	337.0771	6.6800e-003	0.0251	344.7290

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Summer

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

3.5 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	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.1456					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1221	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091

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	2.8100e-003	0.1135	0.0253	5.1000e-004	0.0156	1.3200e-003	0.0169	4.2700e-003	1.2600e-003	5.5300e-003		54.5202	54.5202	7.4000e-004	8.5900e-003	57.0980
Vendor	6.5100e-003	0.1691	0.0588	7.3000e-004	0.0256	2.4400e-003	0.0281	7.3800e-003	2.3300e-003	9.7100e-003		77.1781	77.1781	8.2000e-004	0.0115	80.6092
Worker	0.0788	0.0511	0.7962	2.0300e-003	0.2236	1.1100e-003	0.2247	0.0593	1.0200e-003	0.0603		205.3788	205.3788	5.1200e-003	5.0800e-003	207.0218
Total	0.0881	0.3337	0.8803	3.2700e-003	0.2647	4.8700e-003	0.2696	0.0709	4.6100e-003	0.0756		337.0771	337.0771	6.6800e-003	0.0251	344.7290

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Summer

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

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.3695					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	5.5612	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

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	2.4000e-004	0.0111	3.0500e-003	6.0000e-005	1.9400e-003	1.3000e-004	2.0800e-003	5.3000e-004	1.3000e-004	6.6000e-004		6.5200	6.5200	9.0000e-005	1.0300e-003	6.8284
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	0.0146	9.0200e-003	0.1464	3.9000e-004	0.0447	2.1000e-004	0.0449	0.0119	1.9000e-004	0.0121		39.7496	39.7496	9.2000e-004	9.4000e-004	40.0522
Total	0.0148	0.0201	0.1494	4.5000e-004	0.0467	3.4000e-004	0.0470	0.0124	3.2000e-004	0.0127		46.2696	46.2696	1.0100e-003	1.9700e-003	46.8807

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Summer

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

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.3695					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	5.5612	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

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	2.4000e-004	0.0111	3.0500e-003	6.0000e-005	1.9400e-003	1.3000e-004	2.0800e-003	5.3000e-004	1.3000e-004	6.6000e-004		6.5200	6.5200	9.0000e-005	1.0300e-003	6.8284
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	0.0146	9.0200e-003	0.1464	3.9000e-004	0.0447	2.1000e-004	0.0449	0.0119	1.9000e-004	0.0121		39.7496	39.7496	9.2000e-004	9.4000e-004	40.0522
Total	0.0148	0.0201	0.1494	4.5000e-004	0.0467	3.4000e-004	0.0470	0.0124	3.2000e-004	0.0127		46.2696	46.2696	1.0100e-003	1.9700e-003	46.8807

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Summer

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2423	0.3571	2.3977	5.3500e-003	0.5097	4.9500e-003	0.5146	0.1360	4.6500e-003	0.1407		544.9407	544.9407	0.0268	0.0257	553.2603
Unmitigated	0.2423	0.3571	2.3977	5.3500e-003	0.5097	4.9500e-003	0.5146	0.1360	4.6500e-003	0.1407		544.9407	544.9407	0.0268	0.0257	553.2603

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	66.99	70.56	61.39	227,924	227,924
Total	66.99	70.56	61.39	227,924	227,924

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Summer

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

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
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
Single Family Housing	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

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003		63.8223	63.8223	1.2200e-003	1.1700e-003	64.2015
NaturalGas Unmitigated	5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003		63.8223	63.8223	1.2200e-003	1.1700e-003	64.2015

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Summer

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

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	542.489	5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003		63.8223	63.8223	1.2200e-003	1.1700e-003	64.2015
Total		5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003		63.8223	63.8223	1.2200e-003	1.1700e-003	64.2015

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.542489	5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003		63.8223	63.8223	1.2200e-003	1.1700e-003	64.2015
Total		5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003		63.8223	63.8223	1.2200e-003	1.1700e-003	64.2015

6.0 Area Detail

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Summer

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

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2905	0.1112	0.6227	7.0000e-004		0.0116	0.0116		0.0116	0.0116	0.0000	134.4519	134.4519	3.5600e-003	2.4500e-003	135.2697
Unmitigated	0.2898	0.1054	0.6202	6.6000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	127.0401	127.0401	3.4200e-003	2.3100e-003	127.8139

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Summer

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

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0265					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2343					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0116	0.0987	0.0420	6.3000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	126.0000	126.0000	2.4100e-003	2.3100e-003	126.7488
Landscaping	0.0175	6.6700e-003	0.5782	3.0000e-005		3.1900e-003	3.1900e-003		3.1900e-003	3.1900e-003		1.0401	1.0401	1.0000e-003		1.0652
Total	0.2898	0.1054	0.6202	6.6000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	127.0401	127.0401	3.4100e-003	2.3100e-003	127.8139

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Summer

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0265					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2343					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0122	0.1045	0.0445	6.7000e-004		8.4500e-003	8.4500e-003		8.4500e-003	8.4500e-003	0.0000	133.4118	133.4118	2.5600e-003	2.4500e-003	134.2046
Landscaping	0.0175	6.6700e-003	0.5782	3.0000e-005		3.1900e-003	3.1900e-003		3.1900e-003	3.1900e-003		1.0401	1.0401	1.0000e-003		1.0652
Total	0.2905	0.1112	0.6227	7.0000e-004		0.0116	0.0116		0.0116	0.0116	0.0000	134.4519	134.4519	3.5600e-003	2.4500e-003	135.2697

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Summer

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Winter

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

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	1.00	Acre	1.00	43,560.00	0
Single Family Housing	7.00	Dwelling Unit	2.09	13,510.00	20

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 - Earliest construction start date: April 2022
 Earliest project occupancy/start of operations: 2022
 Land Use - Seven (7) residential lots
 Total on-site disturbed area: 2.09 acres
 Additional area included to account for any adjacent roadway improvements + barrier
 Construction Phase - Earliest construction start date: April 2022 (applicant-provided information)
 No demolition
 Total construction duration: ~one (1) year (applicant-provided information)
 Off-road Equipment -
 Off-road Equipment -
 Off-road Equipment -
 Off-road Equipment -
 Off-road Equipment - Minimal site preparation (vacant site)

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Winter

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

Trips and VMT - Additional haul trips were added to each phase for mobilization/demobilization (2 haul trips per piece of equipment). Additional vendor trips were added to the paving phase to account for delivery of materials.

Demolition -

Grading - Import/export anticipated to balance on-site based on applicant-provided information
Included net export based on anticipated cut/fill to provide a conservative estimate of emissions

Cut: 3,570 c.y.

Fill: 2,194 c.y.

Net: 1,376 c.y.

Architectural Coating - SCAQMD Rule 1113 – Architectural Coatings

Vehicle Trips - Trip rates consistent with previous analysis

Rate/Du: 9.57 (Weekday), 10.08 (Sat), 8.77 (Sun)

Woodstoves - Compliance with SCAQMD Rule 445

Consumer Products - Updated based on 2017 ARB VOC inventory data and 2017 population estimates based on the State of California’s Department of Finance demographic projections were used to estimate a statewide VOC EF for 2017.

Area Coating - SCAQMD Rule 1113 – Architectural Coatings

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation - Compliance with SCAQMD Rule 403

Area Mitigation - Compliance with SCAQMD Rule 445

Energy Mitigation - 2019 Title 24 Standards accounted for in CalEEMod defaults; however, reductions from residential solar are not fully accounted for. 47,788 kWh/yr of on-site renewable energy for single-family housing (low density residential) included.

Water Mitigation - Compliance with Green Building Code Standards and California Model Water Efficient Landscape Ordinance

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConsumerProducts	ROG_EF	1.98E-05	1.62E-05
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblGrading	MaterialExported	0.00	1,376.00
tblLandUse	LandUseSquareFeet	12,600.00	13,510.00
tblLandUse	LotAcreage	2.27	2.09
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	3.00

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Winter

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

tblTripsAndVMT	HaulingTripNumber	0.00	8.00
tblTripsAndVMT	HaulingTripNumber	172.00	184.00
tblTripsAndVMT	HaulingTripNumber	0.00	18.00
tblTripsAndVMT	HaulingTripNumber	0.00	16.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblVehicleTrips	ST_TR	9.54	10.08
tblVehicleTrips	SU_TR	8.55	8.77
tblVehicleTrips	WD_TR	9.44	9.57
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Winter

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

2.1 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	3.0008	25.9113	30.0917	0.0524	7.6746	1.3077	8.6505	3.5829	1.2220	4.4819	0.0000	5,031.9804	5,031.9804	1.1928	0.2263	5,078.0167
2023	5.5751	14.7195	16.9813	0.0303	0.2873	0.7032	0.9905	0.0774	0.6617	0.7391	0.0000	2,897.4830	2,897.4830	0.6142	0.0277	2,921.1050
Maximum	5.5751	25.9113	30.0917	0.0524	7.6746	1.3077	8.6505	3.5829	1.2220	4.4819	0.0000	5,031.9804	5,031.9804	1.1928	0.2263	5,078.0167

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	3.0008	25.9113	30.0917	0.0524	3.3409	1.3077	4.3168	1.4918	1.2220	2.3908	0.0000	5,031.9804	5,031.9804	1.1928	0.2263	5,078.0167
2023	5.5751	14.7195	16.9813	0.0303	0.2873	0.7032	0.9905	0.0774	0.6617	0.7391	0.0000	2,897.4830	2,897.4830	0.6142	0.0277	2,921.1050
Maximum	5.5751	25.9113	30.0917	0.0524	3.3409	1.3077	4.3168	1.4918	1.2220	2.3908	0.0000	5,031.9804	5,031.9804	1.1928	0.2263	5,078.0167

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	54.43	0.00	44.95	57.13	0.00	40.05	0.00	0.00	0.00	0.00	0.00	0.00

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Winter

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2898	0.1054	0.6202	6.6000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	127.0401	127.0401	3.4200e-003	2.3100e-003	127.8139
Energy	5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003		63.8223	63.8223	1.2200e-003	1.1700e-003	64.2015
Mobile	0.2071	0.3774	2.1093	4.9700e-003	0.5097	4.9500e-003	0.5146	0.1360	4.6600e-003	0.1407		505.9795	505.9795	0.0273	0.0262	514.4708
Total	0.5027	0.5327	2.7508	5.9500e-003	0.5097	0.0202	0.5298	0.1360	0.0199	0.1559	0.0000	696.8419	696.8419	0.0320	0.0297	706.4862

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	0.2905	0.1112	0.6227	7.0000e-004		0.0116	0.0116		0.0116	0.0116	0.0000	134.4519	134.4519	3.5600e-003	2.4500e-003	135.2697
Energy	5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003		63.8223	63.8223	1.2200e-003	1.1700e-003	64.2015
Mobile	0.2071	0.3774	2.1093	4.9700e-003	0.5097	4.9500e-003	0.5146	0.1360	4.6600e-003	0.1407		505.9795	505.9795	0.0273	0.0262	514.4708
Total	0.5034	0.5385	2.7533	5.9900e-003	0.5097	0.0206	0.5303	0.1360	0.0203	0.1564	0.0000	704.2536	704.2536	0.0321	0.0298	713.9420

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	-0.14	-1.09	-0.09	-0.67	0.00	-2.33	-0.09	0.00	-2.37	-0.30	0.00	-1.06	-1.06	-0.44	-0.47	-1.06

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	4/1/2022	4/7/2022	5	5	
2	Grading	Grading	4/8/2022	4/19/2022	5	8	
3	Building Construction	Building Construction	4/20/2022	3/7/2023	5	230	
4	Paving	Paving	4/20/2022	5/13/2022	5	18	
5	Architectural Coating	Architectural Coating	3/8/2023	3/31/2023	5	18	

Acres of Grading (Site Preparation Phase): 2.5

Acres of Grading (Grading Phase): 8

Acres of Paving: 1

Residential Indoor: 27,358; Residential Outdoor: 9,119; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 2,614 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Winter

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

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	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	4	10.00	0.00	8.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	184.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	21.00	8.00	18.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	4.00	16.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	0.00	2.00	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

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Winter

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

3.2 Site Preparation - 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					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.3312	13.8206	10.2958	0.0179		0.6877	0.6877		0.6327	0.6327		1,730.752 2	1,730.752 2	0.5598		1,744.746 2
Total	1.3312	13.8206	10.2958	0.0179	6.5523	0.6877	7.2401	3.3675	0.6327	4.0002		1,730.752 2	1,730.752 2	0.5598		1,744.746 2

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	4.8200e-003	0.2155	0.0467	9.2000e-004	0.0280	2.3800e-003	0.0304	7.6800e-003	2.2800e-003	9.9500e-003		98.2112	98.2112	1.3200e-003	0.0155	102.8545
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	0.0368	0.0265	0.3226	9.2000e-004	0.1118	5.6000e-004	0.1123	0.0296	5.1000e-004	0.0302		93.0158	93.0158	2.5400e-003	2.6000e-003	93.8548
Total	0.0416	0.2420	0.3693	1.8400e-003	0.1398	2.9400e-003	0.1427	0.0373	2.7900e-003	0.0401		191.2270	191.2270	3.8600e-003	0.0181	196.7093

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Winter

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

3.2 Site Preparation - 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					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	1.3312	13.8206	10.2958	0.0179		0.6877	0.6877		0.6327	0.6327	0.0000	1,730.752 2	1,730.752 2	0.5598		1,744.746 2
Total	1.3312	13.8206	10.2958	0.0179	2.5554	0.6877	3.2431	1.3133	0.6327	1.9460	0.0000	1,730.752 2	1,730.752 2	0.5598		1,744.746 2

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	4.8200e-003	0.2155	0.0467	9.2000e-004	0.0280	2.3800e-003	0.0304	7.6800e-003	2.2800e-003	9.9500e-003		98.2112	98.2112	1.3200e-003	0.0155	102.8545
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	0.0368	0.0265	0.3226	9.2000e-004	0.1118	5.6000e-004	0.1123	0.0296	5.1000e-004	0.0302		93.0158	93.0158	2.5400e-003	2.6000e-003	93.8548
Total	0.0416	0.2420	0.3693	1.8400e-003	0.1398	2.9400e-003	0.1427	0.0373	2.7900e-003	0.0401		191.2270	191.2270	3.8600e-003	0.0181	196.7093

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Winter

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

3.3 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					7.1044	0.0000	7.1044	3.4280	0.0000	3.4280			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.046 4	2,872.046 4	0.9289		2,895.268 4
Total	1.9486	20.8551	15.2727	0.0297	7.1044	0.9409	8.0452	3.4280	0.8656	4.2936		2,872.046 4	2,872.046 4	0.9289		2,895.268 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	0.0693	3.0983	0.6712	0.0132	0.4026	0.0342	0.4368	0.1104	0.0327	0.1431		1,411.786 4	1,411.786 4	0.0189	0.2224	1,478.533 6
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	0.4840	1.3800e-003	0.1677	8.3000e-004	0.1685	0.0445	7.7000e-004	0.0452		139.5236	139.5236	3.8100e-003	3.9000e-003	140.7822
Total	0.1245	3.1381	1.1551	0.0146	0.5702	0.0350	0.6053	0.1548	0.0335	0.1883		1,551.310 0	1,551.310 0	0.0227	0.2263	1,619.315 8

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Winter

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

3.3 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					2.7707	0.0000	2.7707	1.3369	0.0000	1.3369			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.046 4	2,872.046 4	0.9289		2,895.268 4
Total	1.9486	20.8551	15.2727	0.0297	2.7707	0.9409	3.7116	1.3369	0.8656	2.2025	0.0000	2,872.046 4	2,872.046 4	0.9289		2,895.268 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	0.0693	3.0983	0.6712	0.0132	0.4026	0.0342	0.4368	0.1104	0.0327	0.1431		1,411.786 4	1,411.786 4	0.0189	0.2224	1,478.533 6
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	0.4840	1.3800e-003	0.1677	8.3000e-004	0.1685	0.0445	7.7000e-004	0.0452		139.5236	139.5236	3.8100e-003	3.9000e-003	140.7822
Total	0.1245	3.1381	1.1551	0.0146	0.5702	0.0350	0.6053	0.1548	0.0335	0.1883		1,551.310 0	1,551.310 0	0.0227	0.2263	1,619.315 8

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Winter

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

3.4 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	2.4000e-004	0.0105	2.2800e-003	5.0000e-005	1.3700e-003	1.2000e-004	1.4900e-003	3.8000e-004	1.1000e-004	4.9000e-004		4.8038	4.8038	6.0000e-005	7.6000e-004	5.0309
Vendor	0.0125	0.3564	0.1221	1.4600e-003	0.0512	4.8900e-003	0.0561	0.0148	4.6800e-003	0.0194		154.5246	154.5246	1.6100e-003	0.0229	161.3990
Worker	0.0773	0.0557	0.6775	1.9300e-003	0.2347	1.1700e-003	0.2359	0.0623	1.0800e-003	0.0633		195.3331	195.3331	5.3400e-003	5.4600e-003	197.0951
Total	0.0900	0.4226	0.8020	3.4400e-003	0.2873	6.1800e-003	0.2935	0.0774	5.8700e-003	0.0833		354.6615	354.6615	7.0100e-003	0.0292	363.5250

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Winter

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

3.4 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	2.4000e-004	0.0105	2.2800e-003	5.0000e-005	1.3700e-003	1.2000e-004	1.4900e-003	3.8000e-004	1.1000e-004	4.9000e-004		4.8038	4.8038	6.0000e-005	7.6000e-004	5.0309
Vendor	0.0125	0.3564	0.1221	1.4600e-003	0.0512	4.8900e-003	0.0561	0.0148	4.6800e-003	0.0194		154.5246	154.5246	1.6100e-003	0.0229	161.3990
Worker	0.0773	0.0557	0.6775	1.9300e-003	0.2347	1.1700e-003	0.2359	0.0623	1.0800e-003	0.0633		195.3331	195.3331	5.3400e-003	5.4600e-003	197.0951
Total	0.0900	0.4226	0.8020	3.4400e-003	0.2873	6.1800e-003	0.2935	0.0774	5.8700e-003	0.0833		354.6615	354.6615	7.0100e-003	0.0292	363.5250

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Winter

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

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

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	1.6000e-004	8.2800e-003	2.1900e-003	4.0000e-005	1.3700e-003	9.0000e-005	1.4600e-003	3.8000e-004	9.0000e-005	4.7000e-004		4.5995	4.5995	6.0000e-005	7.2000e-004	4.8171
Vendor	8.3500e-003	0.2772	0.1112	1.4000e-003	0.0512	2.2800e-003	0.0535	0.0148	2.1900e-003	0.0169		148.5846	148.5846	1.4800e-003	0.0220	155.1702
Worker	0.0719	0.0492	0.6239	1.8700e-003	0.2347	1.1000e-003	0.2358	0.0623	1.0100e-003	0.0633		189.0889	189.0889	4.8100e-003	5.0400e-003	190.7117
Total	0.0804	0.3346	0.7373	3.3100e-003	0.2873	3.4700e-003	0.2908	0.0774	3.2900e-003	0.0807		342.2731	342.2731	6.3500e-003	0.0277	350.6990

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Winter

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

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

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	1.6000e-004	8.2800e-003	2.1900e-003	4.0000e-005	1.3700e-003	9.0000e-005	1.4600e-003	3.8000e-004	9.0000e-005	4.7000e-004		4.5995	4.5995	6.0000e-005	7.2000e-004	4.8171
Vendor	8.3500e-003	0.2772	0.1112	1.4000e-003	0.0512	2.2800e-003	0.0535	0.0148	2.1900e-003	0.0169		148.5846	148.5846	1.4800e-003	0.0220	155.1702
Worker	0.0719	0.0492	0.6239	1.8700e-003	0.2347	1.1000e-003	0.2358	0.0623	1.0100e-003	0.0633		189.0889	189.0889	4.8100e-003	5.0400e-003	190.7117
Total	0.0804	0.3346	0.7373	3.3100e-003	0.2873	3.4700e-003	0.2908	0.0774	3.2900e-003	0.0807		342.2731	342.2731	6.3500e-003	0.0277	350.6990

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Winter

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

3.5 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	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.1456					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1221	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504		1,805.1297	1,805.1297	0.5672		1,819.3091

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	2.6800e-003	0.1197	0.0259	5.1000e-004	0.0156	1.3200e-003	0.0169	4.2700e-003	1.2600e-003	5.5300e-003		54.5618	54.5618	7.3000e-004	8.6000e-003	57.1414
Vendor	6.2300e-003	0.1782	0.0611	7.3000e-004	0.0256	2.4400e-003	0.0281	7.3800e-003	2.3400e-003	9.7200e-003		77.2623	77.2623	8.0000e-004	0.0115	80.6995
Worker	0.0736	0.0530	0.6453	1.8400e-003	0.2236	1.1100e-003	0.2247	0.0593	1.0200e-003	0.0603		186.0315	186.0315	5.0800e-003	5.2000e-003	187.7096
Total	0.0825	0.3509	0.7323	3.0800e-003	0.2647	4.8700e-003	0.2696	0.0709	4.6200e-003	0.0756		317.8556	317.8556	6.6100e-003	0.0253	325.5505

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Winter

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

3.5 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	0.9765	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091
Paving	0.1456					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1221	9.5221	12.1940	0.0189		0.4877	0.4877		0.4504	0.4504	0.0000	1,805.1297	1,805.1297	0.5672		1,819.3091

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	2.6800e-003	0.1197	0.0259	5.1000e-004	0.0156	1.3200e-003	0.0169	4.2700e-003	1.2600e-003	5.5300e-003		54.5618	54.5618	7.3000e-004	8.6000e-003	57.1414
Vendor	6.2300e-003	0.1782	0.0611	7.3000e-004	0.0256	2.4400e-003	0.0281	7.3800e-003	2.3400e-003	9.7200e-003		77.2623	77.2623	8.0000e-004	0.0115	80.6995
Worker	0.0736	0.0530	0.6453	1.8400e-003	0.2236	1.1100e-003	0.2247	0.0593	1.0200e-003	0.0603		186.0315	186.0315	5.0800e-003	5.2000e-003	187.7096
Total	0.0825	0.3509	0.7323	3.0800e-003	0.2647	4.8700e-003	0.2696	0.0709	4.6200e-003	0.0756		317.8556	317.8556	6.6100e-003	0.0253	325.5505

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Winter

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

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.3695					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	5.5612	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

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	2.2000e-004	0.0118	3.1200e-003	6.0000e-005	1.9400e-003	1.3000e-004	2.0800e-003	5.3000e-004	1.3000e-004	6.6000e-004		6.5302	6.5302	9.0000e-005	1.0300e-003	6.8391
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	0.0137	9.3600e-003	0.1188	3.6000e-004	0.0447	2.1000e-004	0.0449	0.0119	1.9000e-004	0.0121		36.0169	36.0169	9.2000e-004	9.6000e-004	36.3260
Total	0.0139	0.0211	0.1220	4.2000e-004	0.0467	3.4000e-004	0.0470	0.0124	3.2000e-004	0.0127		42.5471	42.5471	1.0100e-003	1.9900e-003	43.1651

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Winter

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

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.3695					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	5.5612	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

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	2.2000e-004	0.0118	3.1200e-003	6.0000e-005	1.9400e-003	1.3000e-004	2.0800e-003	5.3000e-004	1.3000e-004	6.6000e-004		6.5302	6.5302	9.0000e-005	1.0300e-003	6.8391
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	0.0137	9.3600e-003	0.1188	3.6000e-004	0.0447	2.1000e-004	0.0449	0.0119	1.9000e-004	0.0121		36.0169	36.0169	9.2000e-004	9.6000e-004	36.3260
Total	0.0139	0.0211	0.1220	4.2000e-004	0.0467	3.4000e-004	0.0470	0.0124	3.2000e-004	0.0127		42.5471	42.5471	1.0100e-003	1.9900e-003	43.1651

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Winter

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2071	0.3774	2.1093	4.9700e-003	0.5097	4.9500e-003	0.5146	0.1360	4.6600e-003	0.1407		505.9795	505.9795	0.0273	0.0262	514.4708
Unmitigated	0.2071	0.3774	2.1093	4.9700e-003	0.5097	4.9500e-003	0.5146	0.1360	4.6600e-003	0.1407		505.9795	505.9795	0.0273	0.0262	514.4708

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	66.99	70.56	61.39	227,924	227,924
Total	66.99	70.56	61.39	227,924	227,924

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Winter

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

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
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
Single Family Housing	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

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003		63.8223	63.8223	1.2200e-003	1.1700e-003	64.2015
NaturalGas Unmitigated	5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003		63.8223	63.8223	1.2200e-003	1.1700e-003	64.2015

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Winter

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

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	542.489	5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003		63.8223	63.8223	1.2200e-003	1.1700e-003	64.2015
Total		5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003		63.8223	63.8223	1.2200e-003	1.1700e-003	64.2015

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.542489	5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003		63.8223	63.8223	1.2200e-003	1.1700e-003	64.2015
Total		5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003		63.8223	63.8223	1.2200e-003	1.1700e-003	64.2015

6.0 Area Detail

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Winter

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

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2905	0.1112	0.6227	7.0000e-004		0.0116	0.0116		0.0116	0.0116	0.0000	134.4519	134.4519	3.5600e-003	2.4500e-003	135.2697
Unmitigated	0.2898	0.1054	0.6202	6.6000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	127.0401	127.0401	3.4200e-003	2.3100e-003	127.8139

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Winter

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

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0265					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2343					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0116	0.0987	0.0420	6.3000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	126.0000	126.0000	2.4100e-003	2.3100e-003	126.7488
Landscaping	0.0175	6.6700e-003	0.5782	3.0000e-005		3.1900e-003	3.1900e-003		3.1900e-003	3.1900e-003		1.0401	1.0401	1.0000e-003		1.0652
Total	0.2898	0.1054	0.6202	6.6000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	127.0401	127.0401	3.4100e-003	2.3100e-003	127.8139

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Winter

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0265					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2343					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0122	0.1045	0.0445	6.7000e-004		8.4500e-003	8.4500e-003		8.4500e-003	8.4500e-003	0.0000	133.4118	133.4118	2.5600e-003	2.4500e-003	134.2046
Landscaping	0.0175	6.6700e-003	0.5782	3.0000e-005		3.1900e-003	3.1900e-003		3.1900e-003	3.1900e-003		1.0401	1.0401	1.0000e-003		1.0652
Total	0.2905	0.1112	0.6227	7.0000e-004		0.0116	0.0116		0.0116	0.0116	0.0000	134.4519	134.4519	3.5600e-003	2.4500e-003	135.2697

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

Corona Tentative Tract 36864 - Unmitigated Construction and Earliest Year Operations - Riverside-South Coast County, Winter

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Corona Tentative Tract 36864 - Unmitigated On-site Operations for Localized Analysis - Riverside-South Coast County, Summer

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

Corona Tentative Tract 36864 - Unmitigated On-site Operations for Localized Analysis

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	1.00	Acre	1.00	43,560.00	0
Single Family Housing	7.00	Dwelling Unit	2.09	13,510.00	20

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 - Operational Localized Significance Threshold (LST) Assessment Run

- Land Use - Six (6) residential lots
- Total on-site disturbed area: 2.09 acres
- Additional area included to account for any adjacent roadway improvements + barrier
- Construction Phase - Operational run only (zeroed out construction only parameters)
- Off-road Equipment - Operational run only (zeroed out construction only parameters)
- Off-road Equipment -
- Trips and VMT - Operational run only (zeroed out construction only parameters)
- Demolition -
- Grading -
- Architectural Coating -

Corona Tentative Tract 36864 - Unmitigated On-site Operations for Localized Analysis - Riverside-South Coast County, Summer

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

Vehicle Trips - Rate/Du: 9.57 (Weekday), 10.08 (Sat), 8.77 (Sun)

Trip lengths changed to 0.2 mile for operational LST assessment

100% primary trips for operational LST assessment

Woodstoves - Compliance with SCAQMD Rule 445

Consumer Products - Updated based on 2017 ARB VOC inventory data and 2017 population estimates based on the State of California's Department of Finance demographic projections were used to estimate a statewide VOC EF for 2017.

Area Coating - SCAQMD Rule 1113 – Architectural Coatings

Construction Off-road Equipment Mitigation -

Area Mitigation - Compliance with SCAQMD Rule 445

Energy Mitigation - 2019 Title 24 Standards accounted for in CalEEMod defaults; however, reductions from residential solar are not fully accounted for. 47,788 kWh/yr of on-site renewable energy for single-family housing (low density residential) included.

Water Mitigation - Compliance with Green Building Code Standards and California Model Water Efficient Landscape Ordinance

Water And Wastewater -

Solid Waste -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	18.00	1.00
tblConsumerProducts	ROG_EF	1.98E-05	1.62E-05
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblLandUse	LandUseSquareFeet	12,600.00	13,510.00
tblLandUse	LotAcreage	2.27	2.09
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblTripsAndVMT	WorkerTripNumber	4.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	8.70	0.20
tblVehicleTrips	HS_TL	5.90	0.20
tblVehicleTrips	HW_TL	14.70	0.20
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	9.54	10.08

Corona Tentative Tract 36864 - Unmitigated On-site Operations for Localized Analysis - Riverside-South Coast County, Summer

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

tblVehicleTrips	SU_TR	8.55	8.77
tblVehicleTrips	WD_TR	9.44	9.57
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

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	96.6513	0.0000	0.0000	0.0000	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	96.6513	0.0000	0.0000	0.0000	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	96.6513	0.0000	0.0000	0.0000	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	96.6513	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Corona Tentative Tract 36864 - Unmitigated On-site Operations for Localized Analysis - Riverside-South Coast County, Summer

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

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

Corona Tentative Tract 36864 - Unmitigated On-site Operations for Localized Analysis - Riverside-South Coast County, Summer

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2898	0.1054	0.6202	6.6000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	127.0401	127.0401	3.4200e-003	2.3100e-003	127.8139
Energy	5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003		63.8223	63.8223	1.2200e-003	1.1700e-003	64.2015
Mobile	0.1447	0.0720	0.3984	2.4000e-004	0.0109	4.0000e-004	0.0113	2.9000e-003	3.7000e-004	3.2700e-003		24.6905	24.6905	8.7200e-003	5.2300e-003	26.4682
Total	0.4404	0.2274	1.0399	1.2200e-003	0.0109	0.0156	0.0265	2.9000e-003	0.0156	0.0185	0.0000	215.5528	215.5528	0.0134	8.7100e-003	218.4836

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	0.2905	0.1112	0.6227	7.0000e-004		0.0116	0.0116		0.0116	0.0116	0.0000	134.4519	134.4519	3.5600e-003	2.4500e-003	135.2697
Energy	5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003		63.8223	63.8223	1.2200e-003	1.1700e-003	64.2015
Mobile	0.1447	0.0720	0.3984	2.4000e-004	0.0109	4.0000e-004	0.0113	2.9000e-003	3.7000e-004	3.2700e-003		24.6905	24.6905	8.7200e-003	5.2300e-003	26.4682
Total	0.4410	0.2332	1.0424	1.2600e-003	0.0109	0.0161	0.0269	2.9000e-003	0.0161	0.0190	0.0000	222.9646	222.9646	0.0135	8.8500e-003	225.9394

Corona Tentative Tract 36864 - Unmitigated On-site Operations for Localized Analysis - Riverside-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	-0.15	-2.55	-0.24	-3.28	0.00	-3.01	-1.78	0.00	-3.02	-2.54	0.00	-3.44	-3.44	-1.05	-1.61	-3.41

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	4/1/2022	4/1/2022	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1

Residential Indoor: 27,358; Residential Outdoor: 9,119; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 2,614 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	0.00	78	0.48

Trips and VMT

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

3.1 Mitigation Measures Construction

Corona Tentative Tract 36864 - Unmitigated On-site Operations for Localized Analysis - Riverside-South Coast County, Summer

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

3.2 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	96.6513					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	96.6513	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

Corona Tentative Tract 36864 - Unmitigated On-site Operations for Localized Analysis - Riverside-South Coast County, Summer

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

3.2 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	96.6513					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	96.6513	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

Corona Tentative Tract 36864 - Unmitigated On-site Operations for Localized Analysis - Riverside-South Coast County, Summer

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1447	0.0720	0.3984	2.4000e-004	0.0109	4.0000e-004	0.0113	2.9000e-003	3.7000e-004	3.2700e-003		24.6905	24.6905	8.7200e-003	5.2300e-003	26.4682
Unmitigated	0.1447	0.0720	0.3984	2.4000e-004	0.0109	4.0000e-004	0.0113	2.9000e-003	3.7000e-004	3.2700e-003		24.6905	24.6905	8.7200e-003	5.2300e-003	26.4682

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	66.99	70.56	61.39	4,856	4,856
Total	66.99	70.56	61.39	4,856	4,856

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	0.20	0.20	0.20	40.20	19.20	40.60	100	0	0

4.4 Fleet Mix

Corona Tentative Tract 36864 - Unmitigated On-site Operations for Localized Analysis - Riverside-South Coast County, Summer

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

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
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
Single Family Housing	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

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003		63.8223	63.8223	1.2200e-003	1.1700e-003	64.2015
NaturalGas Unmitigated	5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003		63.8223	63.8223	1.2200e-003	1.1700e-003	64.2015

Corona Tentative Tract 36864 - Unmitigated On-site Operations for Localized Analysis - Riverside-South Coast County, Summer

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
Single Family Housing	542.489	5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003		63.8223	63.8223	1.2200e-003	1.1700e-003	64.2015
Total		5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003		63.8223	63.8223	1.2200e-003	1.1700e-003	64.2015

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
Single Family Housing	0.542489	5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003		63.8223	63.8223	1.2200e-003	1.1700e-003	64.2015
Total		5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003		63.8223	63.8223	1.2200e-003	1.1700e-003	64.2015

6.0 Area Detail

Corona Tentative Tract 36864 - Unmitigated On-site Operations for Localized Analysis - Riverside-South Coast County, Summer

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

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2905	0.1112	0.6227	7.0000e-004		0.0116	0.0116		0.0116	0.0116	0.0000	134.4519	134.4519	3.5600e-003	2.4500e-003	135.2697
Unmitigated	0.2898	0.1054	0.6202	6.6000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	127.0401	127.0401	3.4200e-003	2.3100e-003	127.8139

Corona Tentative Tract 36864 - Unmitigated On-site Operations for Localized Analysis - Riverside-South Coast County, Summer

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

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0265					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2343					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0116	0.0987	0.0420	6.3000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	126.0000	126.0000	2.4100e-003	2.3100e-003	126.7488
Landscaping	0.0175	6.6700e-003	0.5782	3.0000e-005		3.1900e-003	3.1900e-003		3.1900e-003	3.1900e-003		1.0401	1.0401	1.0000e-003		1.0652
Total	0.2898	0.1054	0.6202	6.6000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	127.0401	127.0401	3.4100e-003	2.3100e-003	127.8139

Corona Tentative Tract 36864 - Unmitigated On-site Operations for Localized Analysis - Riverside-South Coast County, Summer

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0265					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2343					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0122	0.1045	0.0445	6.7000e-004		8.4500e-003	8.4500e-003		8.4500e-003	8.4500e-003	0.0000	133.4118	133.4118	2.5600e-003	2.4500e-003	134.2046
Landscaping	0.0175	6.6700e-003	0.5782	3.0000e-005		3.1900e-003	3.1900e-003		3.1900e-003	3.1900e-003		1.0401	1.0401	1.0000e-003		1.0652
Total	0.2905	0.1112	0.6227	7.0000e-004		0.0116	0.0116		0.0116	0.0116	0.0000	134.4519	134.4519	3.5600e-003	2.4500e-003	135.2697

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

Corona Tentative Tract 36864 - Unmitigated On-site Operations for Localized Analysis - Riverside-South Coast County, Summer

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Corona Tentative Tract 36864 - Unmitigated On-site Operations for Localized Analysis - Riverside-South Coast County, Winter

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

Corona Tentative Tract 36864 - Unmitigated On-site Operations for Localized Analysis

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	1.00	Acre	1.00	43,560.00	0
Single Family Housing	7.00	Dwelling Unit	2.09	13,510.00	20

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 - Operational Localized Significance Threshold (LST) Assessment Run

Land Use - Six (6) residential lots

Total on-site disturbed area: 2.09 acres

Additional area included to account for any adjacent roadway improvements + barrier

Construction Phase - Operational run only (zeroed out construction only parameters)

Off-road Equipment - Operational run only (zeroed out construction only parameters)

Off-road Equipment -

Trips and VMT - Operational run only (zeroed out construction only parameters)

Demolition -

Grading -

Architectural Coating -

Corona Tentative Tract 36864 - Unmitigated On-site Operations for Localized Analysis - Riverside-South Coast County, Winter

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

Vehicle Trips - Rate/Du: 9.57 (Weekday), 10.08 (Sat), 8.77 (Sun)
 Trip lengths changed to 0.2 mile for operational LST assessment
 100% primary trips for operational LST assessment

Woodstoves - Compliance with SCAQMD Rule 445

Consumer Products - Updated based on 2017 ARB VOC inventory data and 2017 population estimates based on the State of California's Department of Finance demographic projections were used to estimate a statewide VOC EF for 2017.

Area Coating - SCAQMD Rule 1113 – Architectural Coatings

Construction Off-road Equipment Mitigation -

Area Mitigation - Compliance with SCAQMD Rule 445

Energy Mitigation - 2019 Title 24 Standards accounted for in CalEEMod defaults; however, reductions from residential solar are not fully accounted for. 47,788 kWh/yr of on-site renewable energy for single-family housing (low density residential) included.

Water Mitigation - Compliance with Green Building Code Standards and California Model Water Efficient Landscape Ordinance

Water And Wastewater -

Solid Waste -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	18.00	1.00
tblConsumerProducts	ROG_EF	1.98E-05	1.62E-05
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblLandUse	LandUseSquareFeet	12,600.00	13,510.00
tblLandUse	LotAcreage	2.27	2.09
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblTripsAndVMT	WorkerTripNumber	4.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	8.70	0.20
tblVehicleTrips	HS_TL	5.90	0.20
tblVehicleTrips	HW_TL	14.70	0.20
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	9.54	10.08

Corona Tentative Tract 36864 - Unmitigated On-site Operations for Localized Analysis - Riverside-South Coast County, Winter

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

tblVehicleTrips	SU_TR	8.55	8.77
tblVehicleTrips	WD_TR	9.44	9.57
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

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	96.6513	0.0000	0.0000	0.0000	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	96.6513	0.0000	0.0000	0.0000	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	96.6513	0.0000	0.0000	0.0000	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	96.6513	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Corona Tentative Tract 36864 - Unmitigated On-site Operations for Localized Analysis - Riverside-South Coast County, Winter

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

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

Corona Tentative Tract 36864 - Unmitigated On-site Operations for Localized Analysis - Riverside-South Coast County, Winter

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2898	0.1054	0.6202	6.6000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	127.0401	127.0401	3.4200e-003	2.3100e-003	127.8139
Energy	5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003		63.8223	63.8223	1.2200e-003	1.1700e-003	64.2015
Mobile	0.1117	0.0756	0.4410	2.3000e-004	0.0109	4.0000e-004	0.0113	2.9000e-003	3.7000e-004	3.2700e-003		24.0103	24.0103	0.0100	5.3700e-003	25.8611
Total	0.4074	0.2310	1.0825	1.2100e-003	0.0109	0.0156	0.0265	2.9000e-003	0.0156	0.0185	0.0000	214.8727	214.8727	0.0146	8.8500e-003	217.8766

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	0.2905	0.1112	0.6227	7.0000e-004		0.0116	0.0116		0.0116	0.0116	0.0000	134.4519	134.4519	3.5600e-003	2.4500e-003	135.2697
Energy	5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003		63.8223	63.8223	1.2200e-003	1.1700e-003	64.2015
Mobile	0.1117	0.0756	0.4410	2.3000e-004	0.0109	4.0000e-004	0.0113	2.9000e-003	3.7000e-004	3.2700e-003		24.0103	24.0103	0.0100	5.3700e-003	25.8611
Total	0.4081	0.2368	1.0850	1.2500e-003	0.0109	0.0161	0.0269	2.9000e-003	0.0161	0.0190	0.0000	222.2844	222.2844	0.0148	8.9900e-003	225.3324

Corona Tentative Tract 36864 - Unmitigated On-site Operations for Localized Analysis - Riverside-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	-0.17	-2.51	-0.23	-3.31	0.00	-3.01	-1.78	0.00	-3.02	-2.54	0.00	-3.45	-3.45	-0.96	-1.58	-3.42

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	4/1/2022	4/1/2022	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1

Residential Indoor: 27,358; Residential Outdoor: 9,119; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 2,614 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	0.00	78	0.48

Trips and VMT

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

3.1 Mitigation Measures Construction

Corona Tentative Tract 36864 - Unmitigated On-site Operations for Localized Analysis - Riverside-South Coast County, Winter

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

3.2 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	96.6513					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	96.6513	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

Corona Tentative Tract 36864 - Unmitigated On-site Operations for Localized Analysis - Riverside-South Coast County, Winter

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

3.2 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	96.6513					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	96.6513	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

Corona Tentative Tract 36864 - Unmitigated On-site Operations for Localized Analysis - Riverside-South Coast County, Winter

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1117	0.0756	0.4410	2.3000e-004	0.0109	4.0000e-004	0.0113	2.9000e-003	3.7000e-004	3.2700e-003		24.0103	24.0103	0.0100	5.3700e-003	25.8611
Unmitigated	0.1117	0.0756	0.4410	2.3000e-004	0.0109	4.0000e-004	0.0113	2.9000e-003	3.7000e-004	3.2700e-003		24.0103	24.0103	0.0100	5.3700e-003	25.8611

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	66.99	70.56	61.39	4,856	4,856
Total	66.99	70.56	61.39	4,856	4,856

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	0.20	0.20	0.20	40.20	19.20	40.60	100	0	0

4.4 Fleet Mix

Corona Tentative Tract 36864 - Unmitigated On-site Operations for Localized Analysis - Riverside-South Coast County, Winter

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

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
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
Single Family Housing	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

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003		63.8223	63.8223	1.2200e-003	1.1700e-003	64.2015
NaturalGas Unmitigated	5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003		63.8223	63.8223	1.2200e-003	1.1700e-003	64.2015

Corona Tentative Tract 36864 - Unmitigated On-site Operations for Localized Analysis - Riverside-South Coast County, Winter

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

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	542.489	5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003		63.8223	63.8223	1.2200e-003	1.1700e-003	64.2015
Total		5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003		63.8223	63.8223	1.2200e-003	1.1700e-003	64.2015

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.542489	5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003		63.8223	63.8223	1.2200e-003	1.1700e-003	64.2015
Total		5.8500e-003	0.0500	0.0213	3.2000e-004		4.0400e-003	4.0400e-003		4.0400e-003	4.0400e-003		63.8223	63.8223	1.2200e-003	1.1700e-003	64.2015

6.0 Area Detail

Corona Tentative Tract 36864 - Unmitigated On-site Operations for Localized Analysis - Riverside-South Coast County, Winter

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

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2905	0.1112	0.6227	7.0000e-004		0.0116	0.0116		0.0116	0.0116	0.0000	134.4519	134.4519	3.5600e-003	2.4500e-003	135.2697
Unmitigated	0.2898	0.1054	0.6202	6.6000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	127.0401	127.0401	3.4200e-003	2.3100e-003	127.8139

Corona Tentative Tract 36864 - Unmitigated On-site Operations for Localized Analysis - Riverside-South Coast County, Winter

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

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0265					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2343					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0116	0.0987	0.0420	6.3000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	126.0000	126.0000	2.4100e-003	2.3100e-003	126.7488
Landscaping	0.0175	6.6700e-003	0.5782	3.0000e-005		3.1900e-003	3.1900e-003		3.1900e-003	3.1900e-003		1.0401	1.0401	1.0000e-003		1.0652
Total	0.2898	0.1054	0.6202	6.6000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	127.0401	127.0401	3.4100e-003	2.3100e-003	127.8139

Corona Tentative Tract 36864 - Unmitigated On-site Operations for Localized Analysis - Riverside-South Coast County, Winter

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0265					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2343					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0122	0.1045	0.0445	6.7000e-004		8.4500e-003	8.4500e-003		8.4500e-003	8.4500e-003	0.0000	133.4118	133.4118	2.5600e-003	2.4500e-003	134.2046
Landscaping	0.0175	6.6700e-003	0.5782	3.0000e-005		3.1900e-003	3.1900e-003		3.1900e-003	3.1900e-003		1.0401	1.0401	1.0000e-003		1.0652
Total	0.2905	0.1112	0.6227	7.0000e-004		0.0116	0.0116		0.0116	0.0116	0.0000	134.4519	134.4519	3.5600e-003	2.4500e-003	135.2697

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

Corona Tentative Tract 36864 - Unmitigated On-site Operations for Localized Analysis - Riverside-South Coast County, Winter

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Corona Tentative Tract 36864 - 2030 Operational Year Scenario - Riverside-South Coast County, Annual

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

Corona Tentative Tract 36864 - 2030 Operational Year Scenario

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	1.00	Acre	1.00	43,560.00	0
Single Family Housing	7.00	Dwelling Unit	2.09	13,510.00	20

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	317.95	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 2030 Operational Year Scenario
 CO2 intensity factor updated to match RPS requirements
 Land Use - Six (6) residential lots
 Total on-site disturbed area: 2.09 acres
 Additional area included to account for any adjacent roadway improvements + barrier
 Construction Phase - Operational run only (zeroed out construction only parameters)
 Off-road Equipment - Operational run only (zeroed out construction only parameters)
 Off-road Equipment -
 Trips and VMT - Operational run only (zeroed out construction only parameters)
 Demolition -
 Grading -
 Architectural Coating -

Corona Tentative Tract 36864 - 2030 Operational Year Scenario - Riverside-South Coast County, Annual

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

Vehicle Trips - Trip rates consistent with previous analysis

Rate/Du: 9.57 (Weekday), 10.08 (Sat), 8.77 (Sun)

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - Compliance with SCAQMD Rule 445

Consumer Products - Updated based on 2017 ARB VOC inventory data and 2017 population estimates based on the State of California's Department of Finance demographic projections were used to estimate a statewide VOC EF for 2017.

Area Coating - SCAQMD Rule 1113 – Architectural Coatings

Construction Off-road Equipment Mitigation -

Area Mitigation - Compliance with SCAQMD Rule 445

Energy Mitigation - 2019 Title 24 Standards accounted for in CalEEMod defaults; however, reductions from residential solar are not fully accounted for. 47,788 kWh/yr of on-site renewable energy for single-family housing (low density residential) included.

Water Mitigation - Compliance with Green Building Code Standards and California Model Water Efficient Landscape Ordinance

Fleet Mix -

Water And Wastewater -

Solid Waste -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	18.00	1.00
tblConsumerProducts	ROG_EF	1.98E-05	1.62E-05
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblLandUse	LandUseSquareFeet	12,600.00	13,510.00
tblLandUse	LotAcreage	2.27	2.09
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	317.95
tblTripsAndVMT	WorkerTripNumber	4.00	0.00
tblVehicleTrips	ST_TR	9.54	10.08
tblVehicleTrips	SU_TR	8.55	8.77
tblVehicleTrips	WD_TR	9.44	9.57

Corona Tentative Tract 36864 - 2030 Operational Year Scenario - Riverside-South Coast County, Annual

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

tblWoodstoves	WoodstoveWoodMass	999.60	0.00
---------------	-------------------	--------	------

2.0 Emissions Summary

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	0.0483	0.0000	0.0000	0.0000	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	0.0483	0.0000	0.0000	0.0000	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	0.0483	0.0000	0.0000	0.0000	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	0.0483	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Corona Tentative Tract 36864 - 2030 Operational Year Scenario - Riverside-South Coast County, Annual

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

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	4-1-2022	6-30-2022	0.0345	0.0345
		Highest	0.0345	0.0345

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	0.0499	2.0600e-003	0.0725	1.0000e-005		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	1.5468	1.5468	1.4000e-004	3.0000e-005	1.5581
Energy	1.0700e-003	9.1200e-003	3.8800e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	18.6071	18.6071	1.0400e-003	2.9000e-004	18.7209
Mobile	0.0260	0.0380	0.2722	6.8000e-004	0.0861	4.9000e-004	0.0866	0.0230	4.6000e-004	0.0235	0.0000	63.0516	63.0516	3.1000e-003	3.0300e-003	64.0325
Waste						0.0000	0.0000		0.0000	0.0000	1.6645	0.0000	1.6645	0.0984	0.0000	4.1238
Water						0.0000	0.0000		0.0000	0.0000	0.1447	1.3172	1.4619	0.0150	3.7000e-004	1.9463
Total	0.0770	0.0492	0.3486	7.5000e-004	0.0861	1.7300e-003	0.0879	0.0230	1.7000e-003	0.0247	1.8092	84.5226	86.3318	0.1177	3.7200e-003	90.3816

Corona Tentative Tract 36864 - 2030 Operational Year Scenario - Riverside-South Coast County, Annual

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0499	2.1400e-003	0.0726	1.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004	0.0000	1.6308	1.6308	1.4000e-004	3.0000e-005	1.6426
Energy	1.0700e-003	9.1200e-003	3.8800e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	11.7152	11.7152	3.2000e-004	2.1000e-004	11.7852
Mobile	0.0260	0.0380	0.2722	6.8000e-004	0.0861	4.9000e-004	0.0866	0.0230	4.6000e-004	0.0235	0.0000	63.0516	63.0516	3.1000e-003	3.0300e-003	64.0325
Waste						0.0000	0.0000		0.0000	0.0000	1.6645	0.0000	1.6645	0.0984	0.0000	4.1238
Water						0.0000	0.0000		0.0000	0.0000	0.1158	1.0537	1.1695	0.0120	2.9000e-004	1.5571
Total	0.0770	0.0492	0.3486	7.5000e-004	0.0861	1.7400e-003	0.0879	0.0230	1.7100e-003	0.0247	1.7803	77.4513	79.2315	0.1139	3.5600e-003	83.1412

	ROG	NOx	CO	SO2	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	-0.01	-0.16	-0.01	0.00	0.00	-0.58	-0.01	0.00	-0.59	-0.04	1.60	8.37	8.22	3.16	4.30	8.01

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	4/1/2022	4/1/2022	5	1	

Acres of Grading (Site Preparation Phase): 0

Corona Tentative Tract 36864 - 2030 Operational Year Scenario - Riverside-South Coast County, Annual

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

Acres of Grading (Grading Phase): 0

Acres of Paving: 1

Residential Indoor: 27,358; Residential Outdoor: 9,119; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 2,614 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	0.00	78	0.48

Trips and VMT

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

3.1 Mitigation Measures Construction

3.2 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	0.0483					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
Total	0.0483	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Corona Tentative Tract 36864 - 2030 Operational Year Scenario - Riverside-South Coast County, Annual

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

3.2 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	0.0000	0.0000	0.0000	0.0000	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 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	0.0483					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
Total	0.0483	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Corona Tentative Tract 36864 - 2030 Operational Year Scenario - Riverside-South Coast County, Annual

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

3.2 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Corona Tentative Tract 36864 - 2030 Operational Year Scenario - Riverside-South Coast County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0260	0.0380	0.2722	6.8000e-004	0.0861	4.9000e-004	0.0866	0.0230	4.6000e-004	0.0235	0.0000	63.0516	63.0516	3.1000e-003	3.0300e-003	64.0325
Unmitigated	0.0260	0.0380	0.2722	6.8000e-004	0.0861	4.9000e-004	0.0866	0.0230	4.6000e-004	0.0235	0.0000	63.0516	63.0516	3.1000e-003	3.0300e-003	64.0325

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	66.99	70.56	61.39	227,924	227,924
Total	66.99	70.56	61.39	227,924	227,924

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.549489	0.057683	0.177214	0.128182	0.022948	0.006604	0.011631	0.017777	0.000599	0.000279	0.022624	0.001077	0.003892
Single Family Housing	0.549489	0.057683	0.177214	0.128182	0.022948	0.006604	0.011631	0.017777	0.000599	0.000279	0.022624	0.001077	0.003892

5.0 Energy Detail

Corona Tentative Tract 36864 - 2030 Operational Year Scenario - Riverside-South Coast County, Annual

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

Historical Energy Use: N

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive 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	1.1487	1.1487	1.2000e-004	1.0000e-005	1.1559
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	8.0406	8.0406	8.3000e-004	1.0000e-004	8.0916
NaturalGas Mitigated	1.0700e-003	9.1200e-003	3.8800e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	10.5665	10.5665	2.0000e-004	1.9000e-004	10.6293
NaturalGas Unmitigated	1.0700e-003	9.1200e-003	3.8800e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	10.5665	10.5665	2.0000e-004	1.9000e-004	10.6293

Corona Tentative Tract 36864 - 2030 Operational Year Scenario - Riverside-South Coast County, Annual

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

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	198009	1.0700e-003	9.1200e-003	3.8800e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	10.5665	10.5665	2.0000e-004	1.9000e-004	10.6293
Total		1.0700e-003	9.1200e-003	3.8800e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	10.5665	10.5665	2.0000e-004	1.9000e-004	10.6293

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	198009	1.0700e-003	9.1200e-003	3.8800e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	10.5665	10.5665	2.0000e-004	1.9000e-004	10.6293
Total		1.0700e-003	9.1200e-003	3.8800e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	10.5665	10.5665	2.0000e-004	1.9000e-004	10.6293

Corona Tentative Tract 36864 - 2030 Operational Year Scenario - Riverside-South Coast County, Annual

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

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	55752.6	8.0406	8.3000e-004	1.0000e-004	8.0916
Total		8.0406	8.3000e-004	1.0000e-004	8.0916

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	-23894	-3.4460	-0.0004	0.0000	-3.4679
Single Family Housing	31858.6	4.5946	4.8000e-004	6.0000e-005	4.6238
Total		1.1487	1.2000e-004	2.0000e-005	1.1559

6.0 Area Detail

Corona Tentative Tract 36864 - 2030 Operational Year Scenario - Riverside-South Coast County, Annual

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

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive 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	0.0499	2.1400e-003	0.0726	1.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004	0.0000	1.6308	1.6308	1.4000e-004	3.0000e-005	1.6426
Unmitigated	0.0499	2.0600e-003	0.0725	1.0000e-005		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	1.5468	1.5468	1.4000e-004	3.0000e-005	1.5581

Corona Tentative Tract 36864 - 2030 Operational Year Scenario - Riverside-South Coast County, Annual

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

6.2 Area by SubCategory

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	4.8300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0428					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.4000e-004	1.2300e-003	5.3000e-004	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.4288	1.4288	3.0000e-005	3.0000e-005	1.4373
Landscaping	2.1500e-003	8.3000e-004	0.0720	0.0000		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	0.1179	0.1179	1.1000e-004	0.0000	0.1208
Total	0.0499	2.0600e-003	0.0725	1.0000e-005		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	1.5468	1.5468	1.4000e-004	3.0000e-005	1.5581

Corona Tentative Tract 36864 - 2030 Operational Year Scenario - Riverside-South Coast County, Annual

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	4.8300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0428					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.5000e-004	1.3100e-003	5.6000e-004	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	1.5129	1.5129	3.0000e-005	3.0000e-005	1.5219
Landscaping	2.1500e-003	8.3000e-004	0.0720	0.0000		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	0.1179	0.1179	1.1000e-004	0.0000	0.1208
Total	0.0499	2.1400e-003	0.0726	1.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004	0.0000	1.6308	1.6308	1.4000e-004	3.0000e-005	1.6426

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

Corona Tentative Tract 36864 - 2030 Operational Year Scenario - Riverside-South Coast County, Annual

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	1.1695	0.0120	2.9000e-004	1.5571
Unmitigated	1.4619	0.0150	3.7000e-004	1.9463

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.456078 / 0.287528	1.4619	0.0150	3.7000e-004	1.9463
Total		1.4619	0.0150	3.7000e-004	1.9463

Corona Tentative Tract 36864 - 2030 Operational Year Scenario - Riverside-South Coast County, Annual

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

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.364863 / 0.230022	1.1695	0.0120	2.9000e-004	1.5571
Total		1.1695	0.0120	2.9000e-004	1.5571

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1.6645	0.0984	0.0000	4.1238
Unmitigated	1.6645	0.0984	0.0000	4.1238

Corona Tentative Tract 36864 - 2030 Operational Year Scenario - Riverside-South Coast County, Annual

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

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	8.2	1.6645	0.0984	0.0000	4.1238
Total		1.6645	0.0984	0.0000	4.1238

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	8.2	1.6645	0.0984	0.0000	4.1238
Total		1.6645	0.0984	0.0000	4.1238

9.0 Operational Offroad

Corona Tentative Tract 36864 - 2030 Operational Year Scenario - Riverside-South Coast County, Annual

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

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
