

Appendix B1. Air Quality Technical Memorandum

This page intentionally left blank.

AIR QUALITY TECHNICAL MEMORANDUM

To: Adam Finestone, City Planner, City of Escondido
From: Sharon Toland, Senior Technical Specialist, and Kelsey Hawkins, Air Quality Analyst/ Project Manager
RE: Air Quality Technical Memorandum for the East Valley Specific Plan
Date: March 24, 2023
CC: Diane Sandman, Vice President, Environmental + Planning Consulting, Harris & Associates
Att: 1, CalEEMod Results

Introduction

This memorandum presents the results of Harris & Associates' analysis of the potential impacts to air quality from implementation of the East Valley Specific Plan (EVSP or Project) in the City of Escondido (City). The Project is immediately adjacent to and east of downtown. The EVSP is consistent with and implements the vision for the East Valley Target Area as identified in the General Plan Update, the potential impacts of the land use mix and rezoning was not evaluated at the Specific Plan level in the certified 2012 General Plan Update, Downtown Specific Plan Update, and Climate Action Plan (CAP) Program Environmental Impact Report (PEIR). Therefore, this analysis focuses on the land use mix and zoning changes in the EVSP.

The EVSP Area (i.e., the 191-acre area in the City covered by the EVSP) is in central Escondido, immediately adjacent to and east of downtown. The EVSP Area is generally bounded by Escondido Creek to the north; Harding Street to the east; East Grand Avenue and East 2nd Avenue to the south; and North Hickory, South Hickory, and North Fig Streets to the west. The EVSP Area is adjacent to a variety of neighborhoods: Downtown Escondido to the west, residential neighborhoods to the north and south, and large commercial shopping centers to the east. The Escondido Transit Center is an approximately 20-minute walk southwest of the EVSP Area, and multiple transit stops exist throughout the EVSP Area.

The goal of the EVSP is to encourage new housing opportunities, improve economic vibrancy, and allow for flexibility in use and implementation as the EVSP Area changes over time. The EVSP rezones the existing EVSP Area to cluster uses to create a more cohesive pattern and design with a goal of revitalizing the physical character and economic health of the community. The EVSP presents goals, policies, design standards, and implementation strategies for topics such as land use, mobility, and parks. The EVSP is intended to provide guidance for private development and public investment through 2035. The EVSP includes the EVSP Density Transfer Program to enable the City to transfer densities from undeveloped or underutilized properties in the EVSP Area to other properties in the EVSP Area to enable a developing property to increase its density beyond what current zoning permits.

Air Quality Analysis Background

Air quality laws and regulations have historically divided air pollutants into two broad categories: criteria air pollutants and non-criteria pollutants, or toxic air contaminants. The purpose of this memorandum is to evaluate the potential criteria air pollutant impacts of the Project. Criteria air pollutants are a group of common air

pollutants regulated by federal and state governments through ambient air quality standards based on criteria regarding the health and environmental effects of pollution (USEPA 2023). The criteria air pollutants pertinent to the analysis in this memorandum are carbon monoxide (CO), nitrogen oxides (NO_x), ozone (O₃), particulate matter (particulate matter measuring no more than 10 microns in diameter (PM₁₀) and particulate matter measuring no more than 2.5 microns in diameter (PM_{2.5}), and sulfur dioxide (SO₂). The following describes the health effects of these criteria air pollutants.

Carbon Monoxide

CO is a colorless, odorless, poisonous gas produced by combustion processes, primarily mobile sources. When CO gets into the body, it combines with chemicals in the blood and prevents blood from providing oxygen to cells, tissues, and organs. Because the body requires oxygen for energy, high-level exposure to CO can cause serious health effects, including death (USEPA 2022a).

Nitrogen Oxides

NO_x is a general term pertaining to compounds including nitric oxide (NO), nitrogen dioxide (NO₂), and other NO_x. NO_x is produced from burning fuels, including gasoline, diesel, and coal. NO_x reacts with volatile organic compounds (VOCs) to form ground-level O₃ (smog). NO_x is linked to a number of adverse respiratory systems effects (USEPA 2022b).

Ozone

Ground-level O₃ is not emitted directly into the air but is formed by chemical reactions of “precursor” pollutants (NO_x and VOCs) in the presence of sunlight. Major emissions sources include NO_x and VOC emissions from industrial facilities and electric utilities, motor vehicle exhaust, gasoline vapors, and chemical solvents. O₃ can trigger a variety of health problems, particularly for sensitive receptors, including children, older adults, and people of all ages who have lung diseases, such as asthma (USEPA 2023).

Particulate Matter

Particulate matter includes dust, metals, organic compounds, and other tiny particles of solid materials that are released into and move around in the air. Particulates are produced by many sources, including the burning of diesel fuel by trucks and buses, industrial processes, and fires. Particulate pollution can cause nose and throat irritation and heart and lung problems. Particulate matter is measured in microns, which are one millionth of one meter in length (or one thousandth of one millimeter). PM₁₀ is small (i.e., respirable) particulate matter measuring no more than 10 microns in diameter, while PM_{2.5} is fine particulate matter measuring no more than 2.5 microns in diameter (CARB 2023a).

Sulfur Dioxide

SO₂ is formed primarily by the combustion of sulfur-containing fossil fuels, especially at power plants and industrial facilities. SO₂ is linked to a number of adverse effects on the respiratory system (USEPA 2022c).

Existing Ambient Air Quality

The Project is within the San Diego Air Basin (SDAB). The San Diego Air Pollution Control District (SDAPCD) manages air quality in the SDAB. The SDAPCD operates a network of ambient air monitoring stations throughout the SDAB. The purpose of the monitoring stations is to measure ambient concentrations of pollutants and determine whether ambient air quality meets the California Ambient Air Quality Standards (CAAQS) and the National Ambient Air Quality Standards (NAAQS). The City operates the Escondido–East Valley Parkway Monitoring Station, which measures O₃, NO₂, PM₁₀, and PM_{2.5} concentrations, on East Valley Parkway. However, data is not available past 2016 for these pollutants because the monitoring station has been closed for remodeling. Therefore, concentrations of pollutants from the next closest monitoring station, San Diego–Kearny Villa Road Monitoring Station, from 2018 through 2021 are presented in Table 1, Ambient Air Quality Monitored at the San Diego – Kearny Villa Road Monitoring Station. Concentrations of one-hour O₃ exceeded CAAQS in 2018, 2020, and 2021,

and eight-hour O₃ exceeded CAAQS and NAAQS in 2018, 2019, and 2020. The NAAQS and CAAQS for PM₁₀ were not exceeded in 2018. The monitored 24-hour PM_{2.5} values were exceeded in 2020 and 2021. The one-hour and annual NAAQS and CAAQS for NO₂ were not exceeded.

No CO data is available from monitoring sites in the SDAB after 2012, and no data are available for SO₂ after 2013. However, with one exception for CO during the October 2003 firestorms, the SDAB has not violated the state or federal standards for CO or SO₂ in the last 20 years (SDAPCD 2017).

Table 1. Ambient Air Quality Monitored at the San Diego – Kearny Villa Road Monitoring Station

Pollutant	Standard	2018	2019	2020	2021
O₃					
Maximum 1-hour concentration (ppm)		0.102	0.083	0.123	0.095
Number of days exceeded	State: > 0.12 ppm	1	0	2	1
Maximum 8-hour concentration (ppm)		0.077	0.076	0.102	0.071
Number of days exceeded	State: > 0.07 ppm	5	1	10	1
	Federal: > 0.07 ppm	5	1	10	1
PM₁₀					
Maximum 24-hour concentration (µg/m ³)		38	—	—	—
Number of days exceeded	State: > 50 µg/m ³	0	—	—	—
	Federal: > 150 µg/m ³	0	—	—	—
Annual arithmetic average concentration (µg/m ³)		ND	ND	ND	ND
Exceeded for the year	State: > 20 µg/m ³	ND	ND	ND	ND
PM_{2.5}					
Maximum 24-hour concentration (µg/m ³)		32.2	15	47.5	20.9
Number of days exceeded	Federal: > 35 µg/m ³	0	0	2	0
Annual arithmetic average concentration (µg/m ³)		8	8	8	7.8
Exceeded for the year	State: > 12 µg/m ³	No ¹	No	Yes	ND
	Federal: > 15 µg/m ³	No	No	Yes	ND
NO₂					
Maximum 1-hour concentration (ppm)		0.045	0.046	0.052	0.060
Number of days exceeded	State: > 0.18 ppm	0	0	0	0
Annual arithmetic average concentration (ppm)		0.008	0.008	0.007	0.007
Exceeded for the year	State: > 0.030 ppm	No	No	No	No
	Federal: > 0.053 ppm	No	No	No	No

Source: CARB 2023b.

Notes: µg/m³ = micrograms per cubic meter; ND = no data; NO₂ = nitrogen dioxide; O₃ = ozone; PM_{2.5} = particulate matter smaller than or equal to 2.5 microns in diameter; PM₁₀ = particulate matter smaller than or equal to 10 microns in diameter; ppm = parts per million

¹ Meaning the pollutant did not exceed the allowed maximum concentration for that year.

Existing operational criteria air pollutant emissions for existing development in the EVSP Area (see Table 2, Existing East Valley Specific Plan Area Emissions) were estimated using the most recent version of the California Emissions Estimator Model (CalEEMod) (version 2020.4.0) (CAPCOA 2020). Model default assumptions for the existing land use mix were assumed with the exception of vehicle use data obtained from the project-specific Transportation Analysis (LLG 2023).

Table 2. Existing East Valley Specific Plan Area Emissions

Emissions Source	Pollutant (lbs/day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Area ¹	949.3	17.9	1,145.6	2	154.2	154.2
Energy	0.7	6.1	4.2	<0.1	0.5	0.5
Mobile	100.9	90.7	794.3	1.6	172.8	46.9
Total Existing Emissions	1,050.9	114.7	1,944.1	3.7	327.5	201.6

Source: CAPCOA 2020. See Attachment 1 for model output.

Notes: CO = carbon monoxide; NO_x = nitrogen oxides; PM_{2.5} = particulate matter smaller than or equal to 2.5 microns in diameter; PM₁₀ = particulate matter smaller than or equal to 10 microns in diameter; SO_x = sulfur oxides; VOC = volatile organic compound

¹ Conservatively assumes model default assumptions for hearth use.

Regulatory Setting

The Clean Air Act (CAA) of 1970 requires the U.S. Environmental Protection Agency (USEPA) to establish NAAQS while retaining the option for states to adopt more stringent standards or to include other specific pollutants. NAAQS were developed for six criteria pollutants: O₃, NO₂, CO, SO₂, particulate matter, and lead. The 1990 CAA Amendments require each state to have an Air Pollution Control Plan called a State Implementation Plan (SIP). A SIP includes strategies and control measures to attain the NAAQS by deadlines established by the CAA. The 1990 CAA Amendments dictate that states containing areas violating the NAAQS revise their SIPs to include extra control measures to reduce air pollution. The USEPA reviews the SIPs to determine whether the plans conform to the 1990 CAA Amendments and achieve the established air quality goals.

The USEPA has classified air basins (or portions thereof) as being in “attainment,” in “non-attainment,” or “unclassified” for each criteria air pollutant based on whether or not the NAAQS have been achieved. If an area is designated unclassified, it is because inadequate air quality data were available as a basis for a non-attainment or attainment designation. Table 3, San Diego Air Basin Attainment Status, lists the attainment status of the SDAB for the criteria pollutants. The USEPA classifies the SDAB as in non-attainment for O₃ (eight-hour) with respect to federal air quality standards. The State of California, under the California CAA, established standards for criteria pollutants that are generally stricter than federal standards. As shown in Table 3, the SDAB is currently in state non-attainment status for PM₁₀, PM_{2.5}, and O₃ (one-hour and eight-hour).

Table 3. San Diego Air Basin Attainment Status

Pollutant	California Standards	Federal Standards
O ₃ (1-Hour)	Non-Attainment	No Federal Standard
O ₃ (8-Hour)	Non-Attainment	Non-Attainment
PM ₁₀	Non-Attainment	Unclassified ¹
PM _{2.5}	Non-Attainment	Attainment
CO	Attainment	Attainment
NO ₂	Attainment	Unclassifiable ¹ /Attainment
Lead	Attainment	Unclassifiable/Attainment
SO ₂	Attainment	Unclassifiable/Attainment

Source: SDAPCD 2023.

Notes: CO = carbon monoxide; NO₂ = nitrogen dioxide; O₃ = ozone; PM₁₀ = particulate matter smaller than or equal to 10 microns in diameter; PM_{2.5} = particulate matter smaller than or equal to 2.5 microns in diameter; SO₂ = sulfur dioxide

¹ Unclassified; indicates data are not sufficient for determining attainment or non-attainment.

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

**Escondido EVSP_Existing
San Diego Air Basin, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	48.13	1000sqft	1.10	48,129.00	0
Medical Office Building	588.92	1000sqft	5.96	588,924.00	0
Library	4.90	1000sqft	0.05	4,900.00	0
Apartments Low Rise	324.00	Dwelling Unit	63.00	324,000.00	1115
Single Family Housing	257.00	Dwelling Unit	84.42	462,600.00	744
Strip Mall	624.50	1000sqft	30.00	624,501.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2024
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	539.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - from revised table 3-2

Construction Phase - ignore - op run only

Vehicle Trips - Trip rates from LLG; calculated lengths in spreadsheet

Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	48,130.00	48,129.00

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

tblLandUse	LandUseSquareFeet	588,920.00	588,924.00
tblLandUse	LandUseSquareFeet	624,500.00	624,501.00
tblLandUse	LotAcreage	13.52	5.96
tblLandUse	LotAcreage	0.11	0.05
tblLandUse	LotAcreage	20.25	63.00
tblLandUse	LotAcreage	83.44	84.42
tblLandUse	LotAcreage	14.34	30.00
tblLandUse	Population	927.00	1,115.00
tblLandUse	Population	735.00	744.00
tblVehicleTrips	CC_TL	7.30	2.84
tblVehicleTrips	CC_TL	7.30	0.00
tblVehicleTrips	CC_TL	7.30	2.84
tblVehicleTrips	CC_TL	7.30	5.98
tblVehicleTrips	CNW_TL	7.30	2.84
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	2.84
tblVehicleTrips	CNW_TL	7.30	5.98
tblVehicleTrips	CW_TL	9.50	2.84
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	2.84
tblVehicleTrips	CW_TL	9.50	5.98
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	44.00	0.00
tblVehicleTrips	DV_TP	30.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	HO_TL	7.50	10.95
tblVehicleTrips	HO_TL	7.50	10.95

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

tblVehicleTrips	HS_TL	7.30	10.95
tblVehicleTrips	HS_TL	7.30	10.95
tblVehicleTrips	HW_TL	10.80	10.95
tblVehicleTrips	HW_TL	10.80	10.95
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PB_TP	10.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	PR_TP	44.00	100.00
tblVehicleTrips	PR_TP	60.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	ST_TR	8.14	6.00
tblVehicleTrips	ST_TR	2.21	20.00
tblVehicleTrips	ST_TR	80.09	0.00
tblVehicleTrips	ST_TR	8.57	20.00
tblVehicleTrips	ST_TR	9.54	6.00
tblVehicleTrips	ST_TR	42.04	40.00
tblVehicleTrips	SU_TR	6.28	6.00
tblVehicleTrips	SU_TR	0.70	20.00
tblVehicleTrips	SU_TR	42.09	0.00
tblVehicleTrips	SU_TR	1.42	20.00
tblVehicleTrips	SU_TR	8.55	6.00
tblVehicleTrips	SU_TR	20.43	40.00
tblVehicleTrips	WD_TR	7.32	6.00

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

tblVehicleTrips	WD_TR	9.74	20.00
tblVehicleTrips	WD_TR	72.05	0.00
tblVehicleTrips	WD_TR	34.80	20.00
tblVehicleTrips	WD_TR	9.44	6.00
tblVehicleTrips	WD_TR	44.32	40.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

Escondido EVSP_Existing - San Diego Air Basin, 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
Year	lb/day										lb/day					
2019	4.4002	45.6221	22.6624	0.0400	19.8049	2.3913	22.1962	10.1417	2.2000	12.3417	0.0000	3,940.9790	3,940.9790	1.1970	4.5100e-003	3,968.7545
2020	4.5171	50.2458	32.5641	0.0636	19.8049	2.1983	22.0032	10.1417	2.0225	12.1642	0.0000	6,166.7333	6,166.7333	1.9477	4.6000e-003	6,216.7963
2021	5.1495	46.4425	42.8346	0.1428	9.3679	1.9863	11.3542	3.6973	1.8274	5.5247	0.0000	14,648.5718	14,648.5718	1.9476	1.0820	14,995.8232
2022	4.4442	31.3651	40.1204	0.1394	7.8418	0.9991	8.8409	2.1214	0.9418	3.0632	0.0000	14,306.0470	14,306.0470	0.9609	1.0446	14,641.3650
2023	3.8957	27.2014	37.9823	0.1354	7.8418	0.8025	8.6443	2.1214	0.7556	2.8770	0.0000	13,893.8985	13,893.8985	0.9343	0.9980	14,214.6698
2024	3.6604	26.0561	36.6291	0.1326	7.8419	0.7149	8.5567	2.1214	0.6729	2.7944	0.0000	13,613.8814	13,613.8814	0.9218	0.9742	13,927.2252
2025	3.4372	24.8629	35.4321	0.1297	7.8419	0.6275	8.4694	2.1214	0.5908	2.7123	0.0000	13,325.6339	13,325.6339	0.9114	0.9499	13,631.4787
2026	3.3312	24.6523	34.4928	0.1271	7.8419	0.6255	8.4674	2.1214	0.5889	2.7104	0.0000	13,058.6512	13,058.6512	0.9058	0.9272	13,357.6039
2027	3.2328	24.4566	33.6847	0.1245	7.8419	0.6233	8.4652	2.1214	0.5869	2.7083	0.0000	12,800.1999	12,800.1999	0.9011	0.9047	13,092.3363
2028	3.1412	24.2937	33.0119	0.1222	7.8419	0.6210	8.4629	2.1214	0.5847	2.7062	0.0000	12,562.7350	12,562.7350	0.8978	0.8837	12,848.5345
2029	3.0511	24.1187	32.4143	0.1200	7.8419	0.6186	8.4606	2.1214	0.5826	2.7040	0.0000	12,337.9783	12,337.9783	0.8951	0.8633	12,617.6103
2030	2.9053	19.4528	31.9704	0.1220	7.8419	0.2372	8.0791	2.1215	0.2326	2.3540	0.0000	12,479.9731	12,479.9731	0.4081	0.8454	12,742.1008
2031	2.8197	19.3588	31.5146	0.1203	7.8419	0.2354	8.0774	2.1215	0.2309	2.3524	0.0000	12,305.2329	12,305.2329	0.4056	0.8301	12,562.7554
2032	2.7423	19.2837	31.1248	0.1188	7.8420	0.2338	8.0758	2.1215	0.2294	2.3509	0.0000	12,151.5782	12,151.5782	0.4034	0.8170	12,405.1293
2033	2.6737	19.2207	30.7930	0.1175	7.8420	0.3310	8.0743	2.1215	0.3310	2.3495	0.0000	12,015.5572	12,015.5572	0.4017	0.8055	12,265.6458
2034	245.6098	7.1312	16.0641	0.0289	1.1994	0.3310	1.2229	0.3181	0.3309	0.3636	0.0000	2,740.0545	2,740.0545	0.1258	0.0168	2,743.7130
Maximum	245.6098	50.2458	42.8346	0.1428	19.8049	2.3913	22.1962	10.1417	2.2000	12.3417	0.0000	14,648.5718	14,648.5718	1.9477	1.0820	14,995.8232

2.1 Overall Construction (Maximum Daily Emission)

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

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					
2019	4.4002	45.6221	22.6624	0.0400	19.8049	2.3913	22.1962	10.1417	2.2000	12.3417	0.0000	3,940.9790	3,940.9790	1.1970	4.5100e-003	3,968.7545
2020	4.5171	50.2458	32.5641	0.0636	19.8049	2.1983	22.0032	10.1417	2.0225	12.1642	0.0000	6,166.7332	6,166.7332	1.9477	4.6000e-003	6,216.7963
2021	5.1495	46.4425	42.8346	0.1428	9.3679	1.9863	11.3542	3.6973	1.8274	5.5247	0.0000	14,648.5718	14,648.5718	1.9476	1.0820	14,995.8232
2022	4.4442	31.3651	40.1204	0.1394	7.8418	0.9991	8.8409	2.1214	0.9418	3.0632	0.0000	14,306.0470	14,306.0470	0.9609	1.0446	14,641.3650
2023	3.8957	27.2014	37.9823	0.1354	7.8418	0.8025	8.6443	2.1214	0.7556	2.8770	0.0000	13,893.8985	13,893.8985	0.9343	0.9980	14,214.6698
2024	3.6604	26.0561	36.6291	0.1326	7.8419	0.7149	8.5567	2.1214	0.6729	2.7944	0.0000	13,613.8814	13,613.8814	0.9218	0.9742	13,927.2252
2025	3.4372	24.8629	35.4321	0.1297	7.8419	0.6275	8.4694	2.1214	0.5908	2.7123	0.0000	13,325.6339	13,325.6339	0.9114	0.9499	13,631.4787
2026	3.3312	24.6523	34.4928	0.1271	7.8419	0.6255	8.4674	2.1214	0.5889	2.7104	0.0000	13,058.6512	13,058.6512	0.9058	0.9272	13,357.6039
2027	3.2328	24.4566	33.6847	0.1245	7.8419	0.6233	8.4652	2.1214	0.5869	2.7083	0.0000	12,800.1999	12,800.1999	0.9011	0.9047	13,092.3363
2028	3.1412	24.2937	33.0119	0.1222	7.8419	0.6210	8.4629	2.1214	0.5847	2.7062	0.0000	12,562.7350	12,562.7350	0.8978	0.8837	12,848.5345
2029	3.0511	24.1187	32.4143	0.1200	7.8419	0.6186	8.4606	2.1214	0.5826	2.7040	0.0000	12,337.9783	12,337.9783	0.8951	0.8633	12,617.6103
2030	2.9053	19.4528	31.9704	0.1220	7.8419	0.2372	8.0791	2.1215	0.2326	2.3540	0.0000	12,479.9731	12,479.9731	0.4081	0.8454	12,742.1008
2031	2.8197	19.3588	31.5146	0.1203	7.8419	0.2354	8.0774	2.1215	0.2309	2.3524	0.0000	12,305.2329	12,305.2329	0.4056	0.8301	12,562.7554
2032	2.7423	19.2837	31.1248	0.1188	7.8420	0.2338	8.0758	2.1215	0.2294	2.3509	0.0000	12,151.5782	12,151.5782	0.4034	0.8170	12,405.1293
2033	2.6737	19.2207	30.7930	0.1175	7.8420	0.3310	8.0743	2.1215	0.3310	2.3495	0.0000	12,015.5572	12,015.5572	0.4017	0.8055	12,265.6458
2034	245.6098	7.1312	16.0641	0.0289	1.1994	0.3310	1.2229	0.3181	0.3309	0.3636	0.0000	2,740.0545	2,740.0545	0.1258	0.0168	2,743.7130
Maximum	245.6098	50.2458	42.8346	0.1428	19.8049	2.3913	22.1962	10.1417	2.2000	12.3417	0.0000	14,648.5718	14,648.5718	1.9477	1.0820	14,995.8232

Escondido EVSP_Existing - San Diego Air Basin, 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	949.3309	17.9175	1,145.6130	1.9910		154.1559	154.1559		154.1559	154.1559	16,135.3756	6,853.5272	22,988.9028	14.9738	1.2692	23,741.4604
Energy	0.6878	6.1065	4.1797	0.0375		0.4752	0.4752		0.4752	0.4752		7,503.3744	7,503.3744	0.1438	0.1376	7,547.9632
Mobile	100.8601	90.7304	794.2509	1.6477	171.4976	1.2734	172.7711	45.6840	1.1871	46.8711		167,858.6034	167,858.6034	12.3761	7.6682	170,453.1276
Total	1,050.8788	114.7544	1,944.0436	3.6762	171.4976	155.9045	327.4022	45.6840	155.8183	201.5022	16,135.3756	182,215.5050	198,350.8805	27.4938	9.0749	201,742.5512

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	949.3309	17.9175	1,145.6130	1.9910		154.1559	154.1559		154.1559	154.1559	16,135.3756	6,853.5272	22,988.9028	14.9738	1.2692	23,741.4604
Energy	0.6878	6.1065	4.1797	0.0375		0.4752	0.4752		0.4752	0.4752		7,503.3744	7,503.3744	0.1438	0.1376	7,547.9632
Mobile	100.8601	90.7304	794.2509	1.6477	171.4976	1.2734	172.7711	45.6840	1.1871	46.8711		167,858.6034	167,858.6034	12.3761	7.6682	170,453.1276
Total	1,050.8788	114.7544	1,944.0436	3.6762	171.4976	155.9045	327.4022	45.6840	155.8183	201.5022	16,135.3756	182,215.5050	198,350.8805	27.4938	9.0749	201,742.5512

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2019	10/7/2019	5	200	
2	Site Preparation	Site Preparation	10/8/2019	3/23/2020	5	120	
3	Grading	Grading	3/24/2020	5/31/2021	5	310	
4	Building Construction	Building Construction	6/1/2021	4/18/2033	5	3100	
5	Paving	Paving	4/19/2033	2/20/2034	5	220	
6	Architectural Coating	Architectural Coating	2/21/2034	12/25/2034	5	220	

Acres of Grading (Site Preparation Phase): 180

Acres of Grading (Grading Phase): 930

Acres of Paving: 0

Residential Indoor: 1,592,865; Residential Outdoor: 530,955; Non-Residential Indoor: 1,899,681; Non-Residential Outdoor: 633,227; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	732.00	270.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	146.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.2 Demolition - 2019

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	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451

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	0.0543	0.0412	0.4995	1.2300e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		124.0796	124.0796	4.4300e-003	3.7600e-003	125.3094
Total	0.0543	0.0412	0.4995	1.2300e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		124.0796	124.0796	4.4300e-003	3.7600e-003	125.3094

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.2 Demolition - 2019

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	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451

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	0.0543	0.0412	0.4995	1.2300e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		124.0796	124.0796	4.4300e-003	3.7600e-003	125.3094
Total	0.0543	0.0412	0.4995	1.2300e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		124.0796	124.0796	4.4300e-003	3.7600e-003	125.3094

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991		3,766.4529	3,766.4529	1.1917		3,796.2445
Total	4.3350	45.5727	22.0630	0.0380	19.6570	2.3904	22.0474	10.1025	2.1991	12.3016		3,766.4529	3,766.4529	1.1917		3,796.2445

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	0.0652	0.0494	0.5994	1.4700e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		148.8955	148.8955	5.3200e-003	4.5100e-003	150.3713
Total	0.0652	0.0494	0.5994	1.4700e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		148.8955	148.8955	5.3200e-003	4.5100e-003	150.3713

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.3 Site Preparation - 2019

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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445
Total	4.3350	45.5727	22.0630	0.0380	19.6570	2.3904	22.0474	10.1025	2.1991	12.3016	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445

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	0.0652	0.0494	0.5994	1.4700e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		148.8955	148.8955	5.3200e-003	4.5100e-003	150.3713
Total	0.0652	0.0494	0.5994	1.4700e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		148.8955	148.8955	5.3200e-003	4.5100e-003	150.3713

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	19.6570	2.1974	21.8544	10.1025	2.0216	12.1241		3,685.1016	3,685.1016	1.1918		3,714.8975

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	0.0603	0.0434	0.5453	1.4300e-003	0.1479	9.3000e-004	0.1488	0.0392	8.5000e-004	0.0401		144.7812	144.7812	4.7800e-003	4.1400e-003	146.1335
Total	0.0603	0.0434	0.5453	1.4300e-003	0.1479	9.3000e-004	0.1488	0.0392	8.5000e-004	0.0401		144.7812	144.7812	4.7800e-003	4.1400e-003	146.1335

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.3 Site Preparation - 2020

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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	19.6570	2.1974	21.8544	10.1025	2.0216	12.1241	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975

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	0.0603	0.0434	0.5453	1.4300e-003	0.1479	9.3000e-004	0.1488	0.0392	8.5000e-004	0.0401		144.7812	144.7812	4.7800e-003	4.1400e-003	146.1335
Total	0.0603	0.0434	0.5453	1.4300e-003	0.1479	9.3000e-004	0.1488	0.0392	8.5000e-004	0.0401		144.7812	144.7812	4.7800e-003	4.1400e-003	146.1335

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.4 Grading - 2020

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					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.865 3	6,005.865 3	1.9424		6,054.425 7
Total	4.4501	50.1975	31.9583	0.0620	9.2036	2.1739	11.3775	3.6538	2.0000	5.6537		6,005.865 3	6,005.865 3	1.9424		6,054.425 7

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	0.0670	0.0483	0.6059	1.5900e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		160.8680	160.8680	5.3100e-003	4.6000e-003	162.3706
Total	0.0670	0.0483	0.6059	1.5900e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		160.8680	160.8680	5.3100e-003	4.6000e-003	162.3706

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.4 Grading - 2020

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					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.865 3	6,005.865 3	1.9424		6,054.425 7
Total	4.4501	50.1975	31.9583	0.0620	9.2036	2.1739	11.3775	3.6538	2.0000	5.6537	0.0000	6,005.865 3	6,005.865 3	1.9424		6,054.425 7

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	0.0670	0.0483	0.6059	1.5900e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		160.8680	160.8680	5.3100e-003	4.6000e-003	162.3706
Total	0.0670	0.0483	0.6059	1.5900e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		160.8680	160.8680	5.3100e-003	4.6000e-003	162.3706

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.4 Grading - 2021

Unmitigated Construction 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					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	4.1912	46.3998	30.8785	0.0620	9.2036	1.9853	11.1889	3.6538	1.8265	5.4803		6,007.0434	6,007.0434	1.9428		6,055.6134

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	0.0625	0.0427	0.5615	1.5500e-003	0.1643	9.8000e-004	0.1653	0.0436	9.0000e-004	0.0445		156.2964	156.2964	4.8300e-003	4.2400e-003	157.6816
Total	0.0625	0.0427	0.5615	1.5500e-003	0.1643	9.8000e-004	0.1653	0.0436	9.0000e-004	0.0445		156.2964	156.2964	4.8300e-003	4.2400e-003	157.6816

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.4 Grading - 2021

Mitigated Construction 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					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.043 4	6,007.043 4	1.9428		6,055.613 4
Total	4.1912	46.3998	30.8785	0.0620	9.2036	1.9853	11.1889	3.6538	1.8265	5.4803	0.0000	6,007.043 4	6,007.043 4	1.9428		6,055.613 4

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0625	0.0427	0.5615	1.5500e-003	0.1643	9.8000e-004	0.1653	0.0436	9.0000e-004	0.0445		156.2964	156.2964	4.8300e-003	4.2400e-003	157.6816
Total	0.0625	0.0427	0.5615	1.5500e-003	0.1643	9.8000e-004	0.1653	0.0436	9.0000e-004	0.0445		156.2964	156.2964	4.8300e-003	4.2400e-003	157.6816

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.5 Building Construction - 2021

Unmitigated Construction 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	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

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	0.9630	17.4198	5.7095	0.0593	1.8286	0.3032	2.1317	0.5264	0.2900	0.8165		6,374.7593	6,374.7593	0.2004	0.9267	6,655.9141
Worker	2.2856	1.5632	20.5499	0.0566	6.0132	0.0360	6.0492	1.5950	0.0331	1.6281		5,720.4486	5,720.4486	0.1767	0.1553	5,771.1448
Total	3.2486	18.9830	26.2594	0.1159	7.8418	0.3391	8.1809	2.1214	0.3232	2.4446		12,095.2079	12,095.2079	0.3771	1.0820	12,427.0590

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.5 Building Construction - 2021

Mitigated Construction 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	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

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	0.9630	17.4198	5.7095	0.0593	1.8286	0.3032	2.1317	0.5264	0.2900	0.8165		6,374.7593	6,374.7593	0.2004	0.9267	6,655.9141
Worker	2.2856	1.5632	20.5499	0.0566	6.0132	0.0360	6.0492	1.5950	0.0331	1.6281		5,720.4486	5,720.4486	0.1767	0.1553	5,771.1448
Total	3.2486	18.9830	26.2594	0.1159	7.8418	0.3391	8.1809	2.1214	0.3232	2.4446		12,095.2079	12,095.2079	0.3771	1.0820	12,427.0590

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6016	14.3588	4.8035	0.0576	1.8286	0.1561	1.9847	0.5264	0.1493	0.6758		6,205.2919	6,205.2919	0.1887	0.9007	6,478.4182
Worker	2.1364	1.3906	18.9536	0.0549	6.0132	0.0340	6.0472	1.5950	0.0313	1.6263		5,546.4215	5,546.4215	0.1602	0.1439	5,593.3145
Total	2.7380	15.7494	23.7570	0.1125	7.8418	0.1901	8.0319	2.1214	0.1806	2.3020		11,751.7134	11,751.7134	0.3489	1.0446	12,071.7328

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.5 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6016	14.3588	4.8035	0.0576	1.8286	0.1561	1.9847	0.5264	0.1493	0.6758		6,205.2919	6,205.2919	0.1887	0.9007	6,478.4182
Worker	2.1364	1.3906	18.9536	0.0549	6.0132	0.0340	6.0472	1.5950	0.0313	1.6263		5,546.4215	5,546.4215	0.1602	0.1439	5,593.3145
Total	2.7380	15.7494	23.7570	0.1125	7.8418	0.1901	8.0319	2.1214	0.1806	2.3020		11,751.7134	11,751.7134	0.3489	1.0446	12,071.7328

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	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	0.0000	0.0000	0.0000	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	0.3225	11.5743	4.1710	0.0553	1.8286	0.0705	1.8991	0.5264	0.0675	0.5939		5,968.2678	5,968.2678	0.1809	0.8642	6,230.3094
Worker	2.0004	1.2422	17.5673	0.0531	6.0132	0.0322	6.0455	1.5950	0.0297	1.6247		5,370.4207	5,370.4207	0.1456	0.1339	5,413.9544
Total	2.3229	12.8165	21.7383	0.1084	7.8418	0.1028	7.9446	2.1214	0.0971	2.2186		11,338.6885	11,338.6885	0.3264	0.9980	11,644.2638

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	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	0.0000	0.0000	0.0000	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	0.3225	11.5743	4.1710	0.0553	1.8286	0.0705	1.8991	0.5264	0.0675	0.5939		5,968.2678	5,968.2678	0.1809	0.8642	6,230.3094
Worker	2.0004	1.2422	17.5673	0.0531	6.0132	0.0322	6.0455	1.5950	0.0297	1.6247		5,370.4207	5,370.4207	0.1456	0.1339	5,413.9544
Total	2.3229	12.8165	21.7383	0.1084	7.8418	0.1028	7.9446	2.1214	0.0971	2.2186		11,338.6885	11,338.6885	0.3264	0.9980	11,644.2638

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.5 Building Construction - 2024

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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

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	0.3106	11.4954	4.0735	0.0542	1.8286	0.0709	1.8995	0.5264	0.0678	0.5942		5,864.2128	5,864.2128	0.1850	0.8490	6,121.8532
Worker	1.8783	1.1169	16.3888	0.0514	6.0132	0.0307	6.0439	1.5950	0.0283	1.6232		5,193.9697	5,193.9697	0.1325	0.1251	5,234.5643
Total	2.1889	12.6123	20.4623	0.1056	7.8419	0.1016	7.9434	2.1214	0.0960	2.2175		11,058.1825	11,058.1825	0.3175	0.9742	11,356.4175

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.5 Building Construction - 2024

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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

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	0.3106	11.4954	4.0735	0.0542	1.8286	0.0709	1.8995	0.5264	0.0678	0.5942		5,864.2128	5,864.2128	0.1850	0.8490	6,121.8532
Worker	1.8783	1.1169	16.3888	0.0514	6.0132	0.0307	6.0439	1.5950	0.0283	1.6232		5,193.9697	5,193.9697	0.1325	0.1251	5,234.5643
Total	2.1889	12.6123	20.4623	0.1056	7.8419	0.1016	7.9434	2.1214	0.0960	2.2175		11,058.1825	11,058.1825	0.3175	0.9742	11,356.4175

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.5 Building Construction - 2025

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.3011	11.3823	4.0052	0.0531	1.8287	0.0707	1.8993	0.5264	0.0676	0.5940		5,752.345 2	5,752.345 2	0.1897	0.8324	6,005.151 0
Worker	1.7688	1.0110	15.3422	0.0496	6.0132	0.0293	6.0425	1.5950	0.0270	1.6220		5,016.814 3	5,016.814 3	0.1207	0.1174	5,054.829 6
Total	2.0698	12.3932	19.3475	0.1028	7.8419	0.1000	7.9418	2.1214	0.0946	2.2160		10,769.15 95	10,769.15 95	0.3104	0.9499	11,059.98 06

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.5 Building Construction - 2025

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3011	11.3823	4.0052	0.0531	1.8287	0.0707	1.8993	0.5264	0.0676	0.5940		5,752.345 2	5,752.345 2	0.1897	0.8324	6,005.151 0
Worker	1.7688	1.0110	15.3422	0.0496	6.0132	0.0293	6.0425	1.5950	0.0270	1.6220		5,016.814 3	5,016.814 3	0.1207	0.1174	5,054.829 6
Total	2.0698	12.3932	19.3475	0.1028	7.8419	0.1000	7.9418	2.1214	0.0946	2.2160		10,769.15 95	10,769.15 95	0.3104	0.9499	11,059.98 06

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.5 Building Construction - 2026

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.2929	11.2600	3.9560	0.0520	1.8287	0.0701	1.8988	0.5265	0.0670	0.5935		5,642.451 6	5,642.451 6	0.1945	0.8162	5,890.533 8
Worker	1.6709	0.9227	14.4521	0.0481	6.0132	0.0279	6.0411	1.5950	0.0257	1.6206		4,859.725 2	4,859.725 2	0.1104	0.1110	4,895.572 0
Total	1.9638	12.1826	18.4081	0.1001	7.8419	0.0980	7.9398	2.1214	0.0927	2.2141		10,502.17 69	10,502.17 69	0.3049	0.9272	10,786.10 58

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.5 Building Construction - 2026

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2929	11.2600	3.9560	0.0520	1.8287	0.0701	1.8988	0.5265	0.0670	0.5935		5,642.451 6	5,642.451 6	0.1945	0.8162	5,890.533 8
Worker	1.6709	0.9227	14.4521	0.0481	6.0132	0.0279	6.0411	1.5950	0.0257	1.6206		4,859.725 2	4,859.725 2	0.1104	0.1110	4,895.572 0
Total	1.9638	12.1826	18.4081	0.1001	7.8419	0.0980	7.9398	2.1214	0.0927	2.2141		10,502.17 69	10,502.17 69	0.3049	0.9272	10,786.10 58

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.5 Building Construction - 2027

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.2862	11.1399	3.9163	0.0509	1.8287	0.0695	1.8982	0.5265	0.0665	0.5929		5,525.725 7	5,525.725 7	0.1988	0.7992	5,768.842 3
Worker	1.5792	0.8470	13.6838	0.0467	6.0132	0.0262	6.0394	1.5950	0.0241	1.6191		4,717.999 9	4,717.999 9	0.1014	0.1056	4,751.995 9
Total	1.8654	11.9869	17.6000	0.0976	7.8419	0.0957	7.9376	2.1214	0.0906	2.2121		10,243.72 55	10,243.72 55	0.3002	0.9047	10,520.83 82

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.5 Building Construction - 2027

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2862	11.1399	3.9163	0.0509	1.8287	0.0695	1.8982	0.5265	0.0665	0.5929		5,525.725 7	5,525.725 7	0.1988	0.7992	5,768.842 3
Worker	1.5792	0.8470	13.6838	0.0467	6.0132	0.0262	6.0394	1.5950	0.0241	1.6191		4,717.999 9	4,717.999 9	0.1014	0.1056	4,751.995 9
Total	1.8654	11.9869	17.6000	0.0976	7.8419	0.0957	7.9376	2.1214	0.0906	2.2121		10,243.72 55	10,243.72 55	0.3002	0.9047	10,520.83 82

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.5 Building Construction - 2028

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.2808	11.0414	3.8920	0.0498	1.8287	0.0689	1.8976	0.5265	0.0659	0.5924		5,415.062 0	5,415.062 0	0.2032	0.7828	5,653.414 1
Worker	1.4930	0.7826	13.0353	0.0454	6.0132	0.0245	6.0377	1.5950	0.0225	1.6175		4,591.198 7	4,591.198 7	0.0936	0.1010	4,623.622 3
Total	1.7738	11.8240	16.9273	0.0952	7.8419	0.0934	7.9353	2.1214	0.0885	2.2099		10,006.26 06	10,006.26 06	0.2968	0.8837	10,277.03 64

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.5 Building Construction - 2028

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2808	11.0414	3.8920	0.0498	1.8287	0.0689	1.8976	0.5265	0.0659	0.5924		5,415.062 0	5,415.062 0	0.2032	0.7828	5,653.414 1
Worker	1.4930	0.7826	13.0353	0.0454	6.0132	0.0245	6.0377	1.5950	0.0225	1.6175		4,591.198 7	4,591.198 7	0.0936	0.1010	4,623.622 3
Total	1.7738	11.8240	16.9273	0.0952	7.8419	0.0934	7.9353	2.1214	0.0885	2.2099		10,006.26 06	10,006.26 06	0.2968	0.8837	10,277.03 64

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.5 Building Construction - 2029

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.2758	10.9226	3.8698	0.0487	1.8287	0.0682	1.8969	0.5265	0.0653	0.5917		5,303.800 1	5,303.800 1	0.2076	0.7663	5,537.347 4
Worker	1.4079	0.7264	12.4599	0.0443	6.0132	0.0228	6.0361	1.5950	0.0210	1.6160		4,477.703 8	4,477.703 8	0.0866	0.0970	4,508.764 8
Total	1.6837	11.6490	16.3296	0.0930	7.8419	0.0911	7.9330	2.1214	0.0863	2.2077		9,781.503 9	9,781.503 9	0.2941	0.8633	10,046.11 22

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.5 Building Construction - 2029

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2758	10.9226	3.8698	0.0487	1.8287	0.0682	1.8969	0.5265	0.0653	0.5917		5,303.800 1	5,303.800 1	0.2076	0.7663	5,537.347 4
Worker	1.4079	0.7264	12.4599	0.0443	6.0132	0.0228	6.0361	1.5950	0.0210	1.6160		4,477.703 8	4,477.703 8	0.0866	0.0970	4,508.764 8
Total	1.6837	11.6490	16.3296	0.0930	7.8419	0.0911	7.9330	2.1214	0.0863	2.2077		9,781.503 9	9,781.503 9	0.2941	0.8633	10,046.11 22

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.5 Building Construction - 2030

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

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	0.2719	10.8417	3.8572	0.0478	1.8287	0.0678	1.8965	0.5265	0.0648	0.5913		5,205.9403	5,205.9403	0.2116	0.7519	5,435.2895
Worker	1.3243	0.6764	11.9562	0.0433	6.0132	0.0213	6.0345	1.5950	0.0196	1.6146		4,376.4860	4,376.4860	0.0803	0.0935	4,406.3585
Total	1.5962	11.5182	15.8134	0.0911	7.8419	0.0891	7.9310	2.1215	0.0844	2.2059		9,582.4263	9,582.4263	0.2919	0.8454	9,841.6480

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.5 Building Construction - 2030

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

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	0.2719	10.8417	3.8572	0.0478	1.8287	0.0678	1.8965	0.5265	0.0648	0.5913		5,205.9403	5,205.9403	0.2116	0.7519	5,435.2895
Worker	1.3243	0.6764	11.9562	0.0433	6.0132	0.0213	6.0345	1.5950	0.0196	1.6146		4,376.4860	4,376.4860	0.0803	0.0935	4,406.3585
Total	1.5962	11.5182	15.8134	0.0911	7.8419	0.0891	7.9310	2.1215	0.0844	2.2059		9,582.4263	9,582.4263	0.2919	0.8454	9,841.6480

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.5 Building Construction - 2031

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

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	0.2689	10.7925	3.8520	0.0470	1.8287	0.0674	1.8961	0.5265	0.0645	0.5909		5,121.1095	5,121.1095	0.2148	0.7397	5,346.8957
Worker	1.2417	0.6317	11.5056	0.0424	6.0132	0.0199	6.0331	1.5950	0.0183	1.6133		4,286.5767	4,286.5767	0.0746	0.0905	4,315.4068
Total	1.5106	11.4242	15.3576	0.0894	7.8419	0.0873	7.9292	2.1215	0.0828	2.2042		9,407.6862	9,407.6862	0.2893	0.8301	9,662.3025

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.5 Building Construction - 2031

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

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	0.2689	10.7925	3.8520	0.0470	1.8287	0.0674	1.8961	0.5265	0.0645	0.5909		5,121.1095	5,121.1095	0.2148	0.7397	5,346.8957
Worker	1.2417	0.6317	11.5056	0.0424	6.0132	0.0199	6.0331	1.5950	0.0183	1.6133		4,286.5767	4,286.5767	0.0746	0.0905	4,315.4068
Total	1.5106	11.4242	15.3576	0.0894	7.8419	0.0873	7.9292	2.1215	0.0828	2.2042		9,407.6862	9,407.6862	0.2893	0.8301	9,662.3025

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.5 Building Construction - 2032

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

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	0.2667	10.7550	3.8537	0.0462	1.8287	0.0671	1.8958	0.5265	0.0641	0.5906		5,046.8076	5,046.8076	0.2177	0.7290	5,269.5005
Worker	1.1664	0.5941	11.1140	0.0416	6.0132	0.0186	6.0318	1.5950	0.0171	1.6121		4,207.2238	4,207.2238	0.0695	0.0880	4,235.1759
Total	1.4331	11.3491	14.9678	0.0879	7.8420	0.0857	7.9276	2.1215	0.0813	2.2027		9,254.0314	9,254.0314	0.2872	0.8170	9,504.6764

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.5 Building Construction - 2032

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

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	0.2667	10.7550	3.8537	0.0462	1.8287	0.0671	1.8958	0.5265	0.0641	0.5906		5,046.8076	5,046.8076	0.2177	0.7290	5,269.5005
Worker	1.1664	0.5941	11.1140	0.0416	6.0132	0.0186	6.0318	1.5950	0.0171	1.6121		4,207.2238	4,207.2238	0.0695	0.0880	4,235.1759
Total	1.4331	11.3491	14.9678	0.0879	7.8420	0.0857	7.9276	2.1215	0.0813	2.2027		9,254.0314	9,254.0314	0.2872	0.8170	9,504.6764

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.5 Building Construction - 2033

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

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	0.2652	10.7230	3.8606	0.0456	1.8288	0.0668	1.8955	0.5265	0.0638	0.5903		4,980.4159	4,980.4159	0.2203	0.7196	5,200.3772
Worker	1.0993	0.5631	10.7755	0.0409	6.0132	0.0174	6.0307	1.5950	0.0161	1.6110		4,137.5946	4,137.5946	0.0651	0.0859	4,164.8157
Total	1.3645	11.2861	14.6360	0.0865	7.8420	0.0842	7.9262	2.1215	0.0799	2.2014		9,118.0105	9,118.0105	0.2855	0.8055	9,365.1929

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.5 Building Construction - 2033

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

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	0.2652	10.7230	3.8606	0.0456	1.8288	0.0668	1.8955	0.5265	0.0638	0.5903		4,980.4159	4,980.4159	0.2203	0.7196	5,200.3772
Worker	1.0993	0.5631	10.7755	0.0409	6.0132	0.0174	6.0307	1.5950	0.0161	1.6110		4,137.5946	4,137.5946	0.0651	0.0859	4,164.8157
Total	1.3645	11.2861	14.6360	0.0865	7.8420	0.0842	7.9262	2.1215	0.0799	2.2014		9,118.0105	9,118.0105	0.2855	0.8055	9,365.1929

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.6 Paving - 2033

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302

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	0.0225	0.0115	0.2208	8.4000e-004	0.1232	3.6000e-004	0.1236	0.0327	3.3000e-004	0.0330		84.7868	84.7868	1.3300e-003	1.7600e-003	85.3446
Total	0.0225	0.0115	0.2208	8.4000e-004	0.1232	3.6000e-004	0.1236	0.0327	3.3000e-004	0.0330		84.7868	84.7868	1.3300e-003	1.7600e-003	85.3446

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.6 Paving - 2033

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302

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	0.0225	0.0115	0.2208	8.4000e-004	0.1232	3.6000e-004	0.1236	0.0327	3.3000e-004	0.0330		84.7868	84.7868	1.3300e-003	1.7600e-003	85.3446
Total	0.0225	0.0115	0.2208	8.4000e-004	0.1232	3.6000e-004	0.1236	0.0327	3.3000e-004	0.0330		84.7868	84.7868	1.3300e-003	1.7600e-003	85.3446

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.6 Paving - 2034

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302

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	0.0213	0.0110	0.2145	8.3000e-004	0.1232	3.4000e-004	0.1236	0.0327	3.1000e-004	0.0330		83.5377	83.5377	1.2500e-003	1.7200e-003	84.0828
Total	0.0213	0.0110	0.2145	8.3000e-004	0.1232	3.4000e-004	0.1236	0.0327	3.1000e-004	0.0330		83.5377	83.5377	1.2500e-003	1.7200e-003	84.0828

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.6 Paving - 2034

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302

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	0.0213	0.0110	0.2145	8.3000e-004	0.1232	3.4000e-004	0.1236	0.0327	3.1000e-004	0.0330		83.5377	83.5377	1.2500e-003	1.7200e-003	84.0828
Total	0.0213	0.0110	0.2145	8.3000e-004	0.1232	3.4000e-004	0.1236	0.0327	3.1000e-004	0.0330		83.5377	83.5377	1.2500e-003	1.7200e-003	84.0828

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.7 Architectural Coating - 2034

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	245.2720					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	245.4027	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

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	0.2071	0.1071	2.0881	8.0400e-003	1.1994	3.2600e-003	1.2026	0.3181	3.0000e-003	0.3211		813.1002	813.1002	0.0122	0.0168	818.4061
Total	0.2071	0.1071	2.0881	8.0400e-003	1.1994	3.2600e-003	1.2026	0.3181	3.0000e-003	0.3211		813.1002	813.1002	0.0122	0.0168	818.4061

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

3.7 Architectural Coating - 2034

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	245.2720					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	245.4027	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328

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	0.2071	0.1071	2.0881	8.0400e-003	1.1994	3.2600e-003	1.2026	0.3181	3.0000e-003	0.3211		813.1002	813.1002	0.0122	0.0168	818.4061
Total	0.2071	0.1071	2.0881	8.0400e-003	1.1994	3.2600e-003	1.2026	0.3181	3.0000e-003	0.3211		813.1002	813.1002	0.0122	0.0168	818.4061

Escondido EVSP_Existing - San Diego Air Basin, 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	100.8601	90.7304	794.2509	1.6477	171.4976	1.2734	172.7711	45.6840	1.1871	46.8711		167,858.6034	167,858.6034	12.3761	7.6682	170,453.1276
Unmitigated	100.8601	90.7304	794.2509	1.6477	171.4976	1.2734	172.7711	45.6840	1.1871	46.8711		167,858.6034	167,858.6034	12.3761	7.6682	170,453.1276

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,944.00	1,944.00	1944.00	7,748,395	7,748,395
General Office Building	962.60	962.60	962.60	995,097	995,097
Library	0.00	0.00	0.00		
Medical Office Building	11,778.40	11,778.40	11778.40	12,176,039	12,176,039
Single Family Housing	1,542.00	1,542.00	1542.00	6,146,104	6,146,104
Strip Mall	24,980.00	24,980.00	24980.00	54,401,744	54,401,744
Total	41,207.00	41,207.00	41,207.00	81,467,379	81,467,379

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
Apartments Low Rise	10.95	10.95	10.95	41.60	18.80	39.60	100	0	0

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	2.84	2.84	2.84	33.00	48.00	19.00	100	0	0
Library	0.00	0.00	0.00	52.00	43.00	5.00	100	0	0
Medical Office Building	2.84	2.84	2.84	29.60	51.40	19.00	100	0	0
Single Family Housing	10.95	10.95	10.95	41.60	18.80	39.60	100	0	0
Strip Mall	5.98	5.98	5.98	16.60	64.40	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.557888	0.062607	0.178921	0.119061	0.024112	0.006269	0.008734	0.006266	0.000708	0.000566	0.028949	0.000971	0.004949
General Office Building	0.557888	0.062607	0.178921	0.119061	0.024112	0.006269	0.008734	0.006266	0.000708	0.000566	0.028949	0.000971	0.004949
Library	0.557888	0.062607	0.178921	0.119061	0.024112	0.006269	0.008734	0.006266	0.000708	0.000566	0.028949	0.000971	0.004949
Medical Office Building	0.557888	0.062607	0.178921	0.119061	0.024112	0.006269	0.008734	0.006266	0.000708	0.000566	0.028949	0.000971	0.004949
Single Family Housing	0.557888	0.062607	0.178921	0.119061	0.024112	0.006269	0.008734	0.006266	0.000708	0.000566	0.028949	0.000971	0.004949
Strip Mall	0.557888	0.062607	0.178921	0.119061	0.024112	0.006269	0.008734	0.006266	0.000708	0.000566	0.028949	0.000971	0.004949

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.6878	6.1065	4.1797	0.0375		0.4752	0.4752		0.4752	0.4752		7,503.374 4	7,503.374 4	0.1438	0.1376	7,547.963 2
NaturalGas Unmitigated	0.6878	6.1065	4.1797	0.0375		0.4752	0.4752		0.4752	0.4752		7,503.374 4	7,503.374 4	0.1438	0.1376	7,547.963 2

Escondido EVSP_Existing - San Diego Air Basin, 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					
Apartments Low Rise	9670.6	0.1043	0.8912	0.3792	5.6900e-003		0.0721	0.0721		0.0721	0.0721		1,137.7178	1,137.7178	0.0218	0.0209	1,144.4787
General Office Building	2641.16	0.0285	0.2589	0.2175	1.5500e-003		0.0197	0.0197		0.0197	0.0197		310.7249	310.7249	5.9600e-003	5.7000e-003	312.5713
Library	154.652	1.6700e-003	0.0152	0.0127	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003		18.1944	18.1944	3.5000e-004	3.3000e-004	18.3025
Medical Office Building	32318.2	0.3485	3.1685	2.6615	0.0190		0.2408	0.2408		0.2408	0.2408		3,802.1427	3,802.1427	0.0729	0.0697	3,824.7369
Single Family Housing	15195.7	0.1639	1.4004	0.5959	8.9400e-003		0.1132	0.1132		0.1132	0.1132		1,787.7318	1,787.7318	0.0343	0.0328	1,798.3554
Strip Mall	3798.33	0.0410	0.3724	0.3128	2.2300e-003		0.0283	0.0283		0.0283	0.0283		446.8629	446.8629	8.5600e-003	8.1900e-003	449.5184
Total		0.6878	6.1065	4.1797	0.0375		0.4752	0.4752		0.4752	0.4752		7,503.3744	7,503.3744	0.1438	0.1376	7,547.9632

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	9.6706	0.1043	0.8912	0.3792	5.6900e-003		0.0721	0.0721		0.0721	0.0721		1,137.7178	1,137.7178	0.0218	0.0209	1,144.4787
General Office Building	2.64116	0.0285	0.2589	0.2175	1.5500e-003		0.0197	0.0197		0.0197	0.0197		310.7249	310.7249	5.9600e-003	5.7000e-003	312.5713
Library	0.154652	1.6700e-003	0.0152	0.0127	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003		18.1944	18.1944	3.5000e-004	3.3000e-004	18.3025
Medical Office Building	32.3182	0.3485	3.1685	2.6615	0.0190		0.2408	0.2408		0.2408	0.2408		3,802.1427	3,802.1427	0.0729	0.0697	3,824.7369
Single Family Housing	15.1957	0.1639	1.4004	0.5959	8.9400e-003		0.1132	0.1132		0.1132	0.1132		1,787.7318	1,787.7318	0.0343	0.0328	1,798.3554
Strip Mall	3.79833	0.0410	0.3724	0.3128	2.2300e-003		0.0283	0.0283		0.0283	0.0283		446.8629	446.8629	8.5600e-003	8.1900e-003	449.5184
Total		0.6878	6.1065	4.1797	0.0375		0.4752	0.4752		0.4752	0.4752		7,503.3744	7,503.3744	0.1438	0.1376	7,547.9632

6.0 Area Detail

6.1 Mitigation Measures Area

Escondido EVSP_Existing - San Diego Air Basin, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	949.3309	17.9175	1,145.6130	1.9910		154.1559	154.1559		154.1559	154.1559	16,135.3756	6,853.5272	22,988.9028	14.9738	1.2692	23,741.4604
Unmitigated	949.3309	17.9175	1,145.6130	1.9910		154.1559	154.1559		154.1559	154.1559	16,135.3756	6,853.5272	22,988.9028	14.9738	1.2692	23,741.4604

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	14.7835					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	43.9354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	889.1595	17.3643	1,097.5708	1.9885		153.8899	153.8899		153.8899	153.8899	16,135.3756	6,766.9412	22,902.3167	14.8903	1.2692	23,652.7860
Landscaping	1.4526	0.5532	48.0422	2.5400e-003		0.2660	0.2660		0.2660	0.2660		86.5861	86.5861	0.0835		88.6745
Total	949.3309	17.9175	1,145.6130	1.9910		154.1559	154.1559		154.1559	154.1559	16,135.3756	6,853.5272	22,988.9028	14.9738	1.2692	23,741.4604

Escondido EVSP_Existing - San Diego Air Basin, 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	14.7835					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	43.9354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	889.1595	17.3643	1,097.5708	1.9885		153.8899	153.8899		153.8899	153.8899	16,135.3756	6,766.9412	22,902.3167	14.8903	1.2692	23,652.7860
Landscaping	1.4526	0.5532	48.0422	2.5400e-003		0.2660	0.2660		0.2660	0.2660		86.5861	86.5861	0.0835		88.6745
Total	949.3309	17.9175	1,145.6130	1.9910		154.1559	154.1559		154.1559	154.1559	16,135.3756	6,853.5272	22,988.9028	14.9738	1.2692	23,741.4604

7.0 Water Detail

7.1 Mitigation Measures Water

Escondido EVSP_Existing - San Diego Air Basin, 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

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

Escondido EVSP_Proposed Op

San Diego Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	274.85	1000sqft	6.31	274,850.00	0
Medical Office Building	382.94	1000sqft	8.79	382,940.00	0
Library	123.08	1000sqft	2.83	123,080.00	0
City Park	25.00	Acre	25.00	1,089,000.00	0
Apartments Mid Rise	5,516.00	Dwelling Unit	45.16	5,516,000.00	15776
Single Family Housing	648.00	Dwelling Unit	100.00	1,166,400.00	1853
Strip Mall	1,025.80	1000sqft	6.00	1,025,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2035
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	539.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Per revised table 3-2

Vehicle Trips - Trip rates per LLG revised study; lengths per spreadsheet

Woodstoves - assumed 10% would include gas fireplace

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

Table Name	Column Name	Default Value	New Value
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	NumberGas	3,033.80	0.00
tblFireplaces	NumberGas	356.40	616.00
tblFireplaces	NumberNoFireplace	551.60	5,516.00
tblFireplaces	NumberNoFireplace	64.80	32.00
tblFireplaces	NumberWood	1,930.60	0.00
tblFireplaces	NumberWood	226.80	0.00
tblLandUse	LotAcreage	145.16	45.16
tblLandUse	LotAcreage	210.39	100.00
tblLandUse	LotAcreage	23.55	6.00
tblVehicleTrips	CC_TL	7.30	1.50
tblVehicleTrips	CC_TL	7.30	1.50
tblVehicleTrips	CC_TL	7.30	5.82
tblVehicleTrips	CNW_TL	7.30	1.50
tblVehicleTrips	CNW_TL	7.30	1.50
tblVehicleTrips	CNW_TL	7.30	5.82
tblVehicleTrips	CW_TL	9.50	1.50
tblVehicleTrips	CW_TL	9.50	1.50
tblVehicleTrips	CW_TL	9.50	5.82
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	44.00	0.00
tblVehicleTrips	DV_TP	30.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	HO_TL	7.50	2.80

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

tblVehicleTrips	HO_TL	7.50	2.80
tblVehicleTrips	HS_TL	7.30	2.80
tblVehicleTrips	HS_TL	7.30	2.80
tblVehicleTrips	HW_TL	10.80	2.80
tblVehicleTrips	HW_TL	10.80	2.80
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PB_TP	10.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	PR_TP	44.00	100.00
tblVehicleTrips	PR_TP	60.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	ST_TR	4.91	6.20
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.21	20.55
tblVehicleTrips	ST_TR	80.09	0.00
tblVehicleTrips	ST_TR	8.57	20.55
tblVehicleTrips	ST_TR	9.54	6.20
tblVehicleTrips	ST_TR	42.04	41.10
tblVehicleTrips	SU_TR	4.09	6.20
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	0.70	20.55

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

tblVehicleTrips	SU_TR	42.09	0.00
tblVehicleTrips	SU_TR	1.42	20.55
tblVehicleTrips	SU_TR	8.55	6.20
tblVehicleTrips	SU_TR	20.43	41.10
tblVehicleTrips	WD_TR	5.44	6.20
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	9.74	20.55
tblVehicleTrips	WD_TR	72.05	0.00
tblVehicleTrips	WD_TR	34.80	20.55
tblVehicleTrips	WD_TR	9.44	6.20
tblVehicleTrips	WD_TR	44.32	41.10
tblWoodstoves	NumberCatalytic	275.80	0.00
tblWoodstoves	NumberCatalytic	32.40	0.00
tblWoodstoves	NumberNoncatalytic	275.80	0.00
tblWoodstoves	NumberNoncatalytic	32.40	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

Escondido EVSP_Proposed Op - San Diego Air Basin, 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
Year	lb/day										lb/day					
2020	4.1368	42.4608	22.2076	0.0400	19.8049	2.1983	22.0032	10.1417	2.0225	12.1642	0.0000	3,868.3559	3,868.3559	1.1966	4.1400e-003	3,895.9316
2021	4.2536	46.4425	31.4399	0.0636	19.8049	2.0454	21.8502	10.1417	1.8817	12.0234	0.0000	6,163.3399	6,163.3399	1.9476	4.2400e-003	6,213.2950
2022	19.5642	85.9020	172.5532	0.6626	50.8323	1.7086	52.5408	13.6569	1.6129	15.2699	0.0000	68,418.9531	68,418.9531	2.5543	4.8157	69,917.8976
2023	17.2827	71.9115	159.8291	0.6404	50.8323	1.2273	52.0596	13.6570	1.1547	14.8117	0.0000	66,161.3064	66,161.3064	2.4121	4.5902	67,589.4847
2024	16.2551	69.7397	150.8850	0.6235	50.8324	1.1312	51.9636	13.6570	1.0643	14.7213	0.0000	64,458.5112	64,458.5112	2.3321	4.4638	65,847.0261
2025	15.3250	67.5299	143.0060	0.6063	50.8325	1.0347	51.8671	13.6570	0.9737	14.6307	0.0000	62,718.1351	62,718.1351	2.2640	4.3390	64,067.7494
2026	14.5881	66.3827	136.4116	0.5906	50.8325	1.0219	51.8545	13.6570	0.9619	14.6190	0.0000	61,129.2749	61,129.2749	2.2100	4.2247	62,443.4882
2027	13.9023	65.3354	130.7308	0.5757	50.8326	1.0076	51.8402	13.6571	0.9486	14.6057	0.0000	59,621.9720	59,621.9720	2.1634	4.1141	60,902.0488
2028	13.2610	64.4599	125.9753	0.5621	50.8327	0.9928	51.8255	13.6571	0.9349	14.5920	0.0000	58,247.2300	58,247.2300	2.1260	4.0122	59,496.0119
2029	12.6294	63.5575	121.7525	0.5495	50.8327	0.9781	51.8108	13.6571	0.9212	14.5784	0.0000	56,965.4648	56,965.4648	2.0938	3.9144	58,184.2881
2030	11.9544	58.3241	118.1574	0.5423	50.8327	0.5857	51.4184	13.6571	0.5611	14.2182	0.0000	56,169.1643	56,169.1643	1.5810	3.8289	57,349.7084
2031	11.3492	57.7962	114.9021	0.5325	50.8328	0.5740	51.4068	13.6571	0.5503	14.2074	0.0000	55,167.6649	55,167.6649	1.5534	3.7559	56,325.7644
2032	10.7999	57.3689	112.0995	0.5239	50.8329	0.5633	51.3962	13.6572	0.5404	14.1976	0.0000	54,286.1423	54,286.1423	1.5294	3.6932	55,424.9493
2033	10.3120	57.0121	109.6985	0.5162	50.8329	0.5536	51.3866	13.6572	0.5314	14.1886	0.0000	53,507.6220	53,507.6220	1.5090	3.6388	54,629.7107
2034	9.8699	56.6891	107.5349	0.5095	50.8330	0.5445	51.3774	13.6572	0.5230	14.1802	0.0000	52,816.9539	52,816.9539	1.4901	3.5907	53,924.2359
2035	1,142.1525	4.8867	16.4531	0.0601	8.6337	0.1877	8.6657	2.2901	0.1877	2.3203	0.0000	6,058.9960	6,058.9960	0.1034	0.1189	6,096.7438
Maximum	1,142.1525	85.9020	172.5532	0.6626	50.8330	2.1983	52.5408	13.6572	2.0225	15.2699	0.0000	68,418.9531	68,418.9531	2.5543	4.8157	69,917.8976

2.1 Overall Construction (Maximum Daily Emission)

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

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					
2020	4.1368	42.4608	22.2076	0.0400	19.8049	2.1983	22.0032	10.1417	2.0225	12.1642	0.0000	3,868.3559	3,868.3559	1.1966	4.1400e-003	3,895.9315
2021	4.2536	46.4425	31.4399	0.0636	19.8049	2.0454	21.8502	10.1417	1.8817	12.0234	0.0000	6,163.3398	6,163.3398	1.9476	4.2400e-003	6,213.2950
2022	19.5642	85.9020	172.5532	0.6626	50.8323	1.7086	52.5408	13.6569	1.6129	15.2699	0.0000	68,418.9531	68,418.9531	2.5543	4.8157	69,917.8976
2023	17.2827	71.9115	159.8291	0.6404	50.8323	1.2273	52.0596	13.6570	1.1547	14.8117	0.0000	66,161.3064	66,161.3064	2.4121	4.5902	67,589.4847
2024	16.2551	69.7397	150.8850	0.6235	50.8324	1.1312	51.9636	13.6570	1.0643	14.7213	0.0000	64,458.5112	64,458.5112	2.3321	4.4638	65,847.0261
2025	15.3250	67.5299	143.0060	0.6063	50.8325	1.0347	51.8671	13.6570	0.9737	14.6307	0.0000	62,718.1351	62,718.1351	2.2640	4.3390	64,067.7494
2026	14.5881	66.3827	136.4116	0.5906	50.8325	1.0219	51.8545	13.6570	0.9619	14.6190	0.0000	61,129.2749	61,129.2749	2.2100	4.2247	62,443.4882
2027	13.9023	65.3354	130.7308	0.5757	50.8326	1.0076	51.8402	13.6571	0.9486	14.6057	0.0000	59,621.9720	59,621.9720	2.1634	4.1141	60,902.0488
2028	13.2610	64.4599	125.9753	0.5621	50.8327	0.9928	51.8255	13.6571	0.9349	14.5920	0.0000	58,247.2300	58,247.2300	2.1260	4.0122	59,496.0119
2029	12.6294	63.5575	121.7525	0.5495	50.8327	0.9781	51.8108	13.6571	0.9212	14.5784	0.0000	56,965.4648	56,965.4648	2.0938	3.9144	58,184.2881
2030	11.9544	58.3241	118.1574	0.5423	50.8327	0.5857	51.4184	13.6571	0.5611	14.2182	0.0000	56,169.1643	56,169.1643	1.5810	3.8289	57,349.7084
2031	11.3492	57.7962	114.9021	0.5325	50.8328	0.5740	51.4068	13.6571	0.5503	14.2074	0.0000	55,167.6649	55,167.6649	1.5534	3.7559	56,325.7644
2032	10.7999	57.3689	112.0995	0.5239	50.8329	0.5633	51.3962	13.6572	0.5404	14.1976	0.0000	54,286.1423	54,286.1423	1.5294	3.6932	55,424.9493
2033	10.3120	57.0121	109.6985	0.5162	50.8329	0.5536	51.3866	13.6572	0.5314	14.1886	0.0000	53,507.6220	53,507.6220	1.5090	3.6388	54,629.7107
2034	9.8699	56.6891	107.5349	0.5095	50.8330	0.5445	51.3774	13.6572	0.5230	14.1802	0.0000	52,816.9539	52,816.9539	1.4901	3.5907	53,924.2359
2035	1,142.1525	4.8867	16.4531	0.0601	8.6337	0.1877	8.6657	2.2901	0.1877	2.3203	0.0000	6,058.9960	6,058.9960	0.1034	0.1189	6,096.7438
Maximum	1,142.1525	85.9020	172.5532	0.6626	50.8330	2.1983	52.5408	13.6572	2.0225	15.2699	0.0000	68,418.9531	68,418.9531	2.5543	4.8157	69,917.8976

Escondido EVSP_Proposed Op - San Diego Air Basin, 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	266.8364	16.0665	511.2845	0.0921		3.6469	3.6469		3.6469	3.6469	0.0000	13,960.78 31	13,960.78 31	1.1227	0.2392	14,060.11 89
Energy	2.0975	18.1958	9.6211	0.1144		1.4492	1.4492		1.4492	1.4492		22,881.60 38	22,881.60 38	0.4386	0.4195	23,017.57 77
Mobile	141.4823	108.3801	1,079.812 2	2.1579	285.5885	1.2850	286.8735	76.0596	1.1990	77.2586		220,350.9 318	220,350.9 318	17.2717	10.9620	224,049.3 858
Total	410.4162	142.6424	1,600.717 8	2.3644	285.5885	6.3811	291.9696	76.0596	6.2951	82.3547	0.0000	257,193.3 187	257,193.3 187	18.8329	11.6206	261,127.0 824

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	266.8364	16.0665	511.2845	0.0921		3.6469	3.6469		3.6469	3.6469	0.0000	13,960.78 31	13,960.78 31	1.1227	0.2392	14,060.11 89
Energy	2.0975	18.1958	9.6211	0.1144		1.4492	1.4492		1.4492	1.4492		22,881.60 38	22,881.60 38	0.4386	0.4195	23,017.57 77
Mobile	141.4823	108.3801	1,079.812 2	2.1579	285.5885	1.2850	286.8735	76.0596	1.1990	77.2586		220,350.9 318	220,350.9 318	17.2717	10.9620	224,049.3 858
Total	410.4162	142.6424	1,600.717 8	2.3644	285.5885	6.3811	291.9696	76.0596	6.2951	82.3547	0.0000	257,193.3 187	257,193.3 187	18.8329	11.6206	261,127.0 824

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2020	10/6/2020	5	200	
2	Site Preparation	Site Preparation	10/7/2020	3/23/2021	5	120	
3	Grading	Grading	3/24/2021	5/31/2022	5	310	
4	Building Construction	Building Construction	6/1/2022	4/18/2034	5	3100	
5	Paving	Paving	4/19/2034	2/20/2035	5	220	
6	Architectural Coating	Architectural Coating	2/21/2035	12/25/2035	5	220	

Acres of Grading (Site Preparation Phase): 180

Acres of Grading (Grading Phase): 930

Acres of Paving: 0

Residential Indoor: 13,531,860; Residential Outdoor: 4,510,620; Non-Residential Indoor: 2,710,005; Non-Residential Outdoor: 903,335; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	5,253.00	1,134.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1,051.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.2 Demolition - 2020

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	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536

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	0.0503	0.0362	0.4544	1.1900e-003	0.1232	7.7000e-004	0.1240	0.0327	7.1000e-004	0.0334		120.6510	120.6510	3.9800e-003	3.4500e-003	121.7779
Total	0.0503	0.0362	0.4544	1.1900e-003	0.1232	7.7000e-004	0.1240	0.0327	7.1000e-004	0.0334		120.6510	120.6510	3.9800e-003	3.4500e-003	121.7779

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.2 Demolition - 2020

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	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536

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	0.0503	0.0362	0.4544	1.1900e-003	0.1232	7.7000e-004	0.1240	0.0327	7.1000e-004	0.0334		120.6510	120.6510	3.9800e-003	3.4500e-003	121.7779
Total	0.0503	0.0362	0.4544	1.1900e-003	0.1232	7.7000e-004	0.1240	0.0327	7.1000e-004	0.0334		120.6510	120.6510	3.9800e-003	3.4500e-003	121.7779

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	19.6570	2.1974	21.8544	10.1025	2.0216	12.1241		3,685.1016	3,685.1016	1.1918		3,714.8975

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	0.0603	0.0434	0.5453	1.4300e-003	0.1479	9.3000e-004	0.1488	0.0392	8.5000e-004	0.0401		144.7812	144.7812	4.7800e-003	4.1400e-003	146.1335
Total	0.0603	0.0434	0.5453	1.4300e-003	0.1479	9.3000e-004	0.1488	0.0392	8.5000e-004	0.0401		144.7812	144.7812	4.7800e-003	4.1400e-003	146.1335

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.3 Site Preparation - 2020

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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	19.6570	2.1974	21.8544	10.1025	2.0216	12.1241	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975

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	0.0603	0.0434	0.5453	1.4300e-003	0.1479	9.3000e-004	0.1488	0.0392	8.5000e-004	0.0401		144.7812	144.7812	4.7800e-003	4.1400e-003	146.1335
Total	0.0603	0.0434	0.5453	1.4300e-003	0.1479	9.3000e-004	0.1488	0.0392	8.5000e-004	0.0401		144.7812	144.7812	4.7800e-003	4.1400e-003	146.1335

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	3.8882	40.4971	21.1543	0.0380	19.6570	2.0445	21.7015	10.1025	1.8809	11.9834		3,685.6569	3,685.6569	1.1920		3,715.4573

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	0.0562	0.0384	0.5053	1.3900e-003	0.1479	8.8000e-004	0.1488	0.0392	8.1000e-004	0.0400		140.6668	140.6668	4.3500e-003	3.8200e-003	141.9134
Total	0.0562	0.0384	0.5053	1.3900e-003	0.1479	8.8000e-004	0.1488	0.0392	8.1000e-004	0.0400		140.6668	140.6668	4.3500e-003	3.8200e-003	141.9134

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.3 Site Preparation - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	3.8882	40.4971	21.1543	0.0380	19.6570	2.0445	21.7015	10.1025	1.8809	11.9834	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573

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	0.0562	0.0384	0.5053	1.3900e-003	0.1479	8.8000e-004	0.1488	0.0392	8.1000e-004	0.0400		140.6668	140.6668	4.3500e-003	3.8200e-003	141.9134
Total	0.0562	0.0384	0.5053	1.3900e-003	0.1479	8.8000e-004	0.1488	0.0392	8.1000e-004	0.0400		140.6668	140.6668	4.3500e-003	3.8200e-003	141.9134

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.4 Grading - 2021

Unmitigated Construction 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					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.043 4	6,007.043 4	1.9428		6,055.613 4
Total	4.1912	46.3998	30.8785	0.0620	9.2036	1.9853	11.1889	3.6538	1.8265	5.4803		6,007.043 4	6,007.043 4	1.9428		6,055.613 4

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0625	0.0427	0.5615	1.5500e-003	0.1643	9.8000e-004	0.1653	0.0436	9.0000e-004	0.0445		156.2964	156.2964	4.8300e-003	4.2400e-003	157.6816
Total	0.0625	0.0427	0.5615	1.5500e-003	0.1643	9.8000e-004	0.1653	0.0436	9.0000e-004	0.0445		156.2964	156.2964	4.8300e-003	4.2400e-003	157.6816

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.4 Grading - 2021

Mitigated Construction 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					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.043 4	6,007.043 4	1.9428		6,055.613 4
Total	4.1912	46.3998	30.8785	0.0620	9.2036	1.9853	11.1889	3.6538	1.8265	5.4803	0.0000	6,007.043 4	6,007.043 4	1.9428		6,055.613 4

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0625	0.0427	0.5615	1.5500e-003	0.1643	9.8000e-004	0.1653	0.0436	9.0000e-004	0.0445		156.2964	156.2964	4.8300e-003	4.2400e-003	157.6816
Total	0.0625	0.0427	0.5615	1.5500e-003	0.1643	9.8000e-004	0.1653	0.0436	9.0000e-004	0.0445		156.2964	156.2964	4.8300e-003	4.2400e-003	157.6816

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	9.2036	1.6349	10.8385	3.6538	1.5041	5.1579		6,011.4105	6,011.4105	1.9442		6,060.0158

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	0.0584	0.0380	0.5179	1.5000e-003	0.1643	9.3000e-004	0.1652	0.0436	8.6000e-004	0.0444		151.5416	151.5416	4.3800e-003	3.9300e-003	152.8228
Total	0.0584	0.0380	0.5179	1.5000e-003	0.1643	9.3000e-004	0.1652	0.0436	8.6000e-004	0.0444		151.5416	151.5416	4.3800e-003	3.9300e-003	152.8228

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.4 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	9.2036	1.6349	10.8385	3.6538	1.5041	5.1579	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158

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	0.0584	0.0380	0.5179	1.5000e-003	0.1643	9.3000e-004	0.1652	0.0436	8.6000e-004	0.0444		151.5416	151.5416	4.3800e-003	3.9300e-003	152.8228
Total	0.0584	0.0380	0.5179	1.5000e-003	0.1643	9.3000e-004	0.1652	0.0436	8.6000e-004	0.0444		151.5416	151.5416	4.3800e-003	3.9300e-003	152.8228

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.5266	60.3071	20.1745	0.2419	7.6801	0.6556	8.3357	2.2110	0.6272	2.8381		26,062.2259	26,062.2259	0.7924	3.7830	27,209.3565
Worker	15.3314	9.9793	136.0153	0.3938	43.1522	0.2439	43.3961	11.4460	0.2246	11.6706		39,802.3936	39,802.3936	1.1499	1.0328	40,138.9088
Total	17.8580	70.2864	156.1898	0.6357	50.8323	0.8996	51.7318	13.6569	0.8518	14.5087		65,864.6195	65,864.6195	1.9424	4.8157	67,348.2653

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.5 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.5266	60.3071	20.1745	0.2419	7.6801	0.6556	8.3357	2.2110	0.6272	2.8381		26,062.2259	26,062.2259	0.7924	3.7830	27,209.3565
Worker	15.3314	9.9793	136.0153	0.3938	43.1522	0.2439	43.3961	11.4460	0.2246	11.6706		39,802.3936	39,802.3936	1.1499	1.0328	40,138.9088
Total	17.8580	70.2864	156.1898	0.6357	50.8323	0.8996	51.7318	13.6569	0.8518	14.5087		65,864.6195	65,864.6195	1.9424	4.8157	67,348.2653

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3545	48.6121	17.5183	0.2322	7.6802	0.2962	7.9764	2.2110	0.2833	2.4943		25,066.7247	25,066.7247	0.7598	3.6295	26,167.2995
Worker	14.3555	8.9145	126.0668	0.3813	43.1522	0.2314	43.3835	11.4460	0.2130	11.6590		38,539.3718	38,539.3718	1.0445	0.9607	38,851.7792
Total	15.7100	57.5266	143.5851	0.6135	50.8323	0.5276	51.3599	13.6570	0.4963	14.1533		63,606.0965	63,606.0965	1.8043	4.5902	65,019.0786

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3545	48.6121	17.5183	0.2322	7.6802	0.2962	7.9764	2.2110	0.2833	2.4943		25,066.7247	25,066.7247	0.7598	3.6295	26,167.2995
Worker	14.3555	8.9145	126.0668	0.3813	43.1522	0.2314	43.3835	11.4460	0.2130	11.6590		38,539.3718	38,539.3718	1.0445	0.9607	38,851.7792
Total	15.7100	57.5266	143.5851	0.6135	50.8323	0.5276	51.3599	13.6570	0.4963	14.1533		63,606.0965	63,606.0965	1.8043	4.5902	65,019.0786

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.5 Building Construction - 2024

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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

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	1.3045	48.2805	17.1086	0.2278	7.6803	0.2977	7.9779	2.2110	0.2847	2.4957		24,629.6938	24,629.6938	0.7770	3.5660	25,711.7834
Worker	13.4791	8.0154	117.6096	0.3688	43.1522	0.2202	43.3723	11.4460	0.2027	11.6487		37,273.1185	37,273.1185	0.9507	0.8978	37,564.4350
Total	14.7835	56.2959	134.7182	0.5966	50.8324	0.5178	51.3503	13.6570	0.4874	14.1444		61,902.8123	61,902.8123	1.7277	4.4638	63,276.2184

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.5 Building Construction - 2024

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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

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	1.3045	48.2805	17.1086	0.2278	7.6803	0.2977	7.9779	2.2110	0.2847	2.4957		24,629.6938	24,629.6938	0.7770	3.5660	25,711.7834
Worker	13.4791	8.0154	117.6096	0.3688	43.1522	0.2202	43.3723	11.4460	0.2027	11.6487		37,273.1185	37,273.1185	0.9507	0.8978	37,564.4350
Total	14.7835	56.2959	134.7182	0.5966	50.8324	0.5178	51.3503	13.6570	0.4874	14.1444		61,902.8123	61,902.8123	1.7277	4.4638	63,276.2184

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.5 Building Construction - 2025

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	1.2644	47.8055	16.8219	0.2232	7.6803	0.2967	7.9771	2.2111	0.2838	2.4949		24,159.85 00	24,159.85 00	0.7969	3.4962	25,221.63 43
Worker	12.6932	7.2548	110.0994	0.3562	43.1522	0.2104	43.3625	11.4460	0.1936	11.6396		36,001.81 07	36,001.81 07	0.8661	0.8428	36,274.61 70
Total	13.9576	55.0603	126.9213	0.5793	50.8325	0.5071	51.3396	13.6570	0.4775	14.1345		60,161.66 07	60,161.66 07	1.6630	4.3390	61,496.25 13

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.5 Building Construction - 2025

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2644	47.8055	16.8219	0.2232	7.6803	0.2967	7.9771	2.2111	0.2838	2.4949		24,159.85 00	24,159.85 00	0.7969	3.4962	25,221.63 43
Worker	12.6932	7.2548	110.0994	0.3562	43.1522	0.2104	43.3625	11.4460	0.1936	11.6396		36,001.81 07	36,001.81 07	0.8661	0.8428	36,274.61 70
Total	13.9576	55.0603	126.9213	0.5793	50.8325	0.5071	51.3396	13.6570	0.4775	14.1345		60,161.66 07	60,161.66 07	1.6630	4.3390	61,496.25 13

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.5 Building Construction - 2026

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	1.2302	47.2918	16.6153	0.2186	7.6804	0.2944	7.9748	2.2111	0.2815	2.4926		23,698.29 69	23,698.29 69	0.8167	3.4279	24,740.24 19
Worker	11.9905	6.6211	103.7116	0.3450	43.1522	0.2000	43.3522	11.4460	0.1841	11.6301		34,874.50 37	34,874.50 37	0.7923	0.7968	35,131.74 82
Total	13.2207	53.9130	120.3269	0.5636	50.8325	0.4944	51.3269	13.6570	0.4656	14.1227		58,572.80 05	58,572.80 05	1.6090	4.2247	59,871.99 01

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.5 Building Construction - 2026

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2302	47.2918	16.6153	0.2186	7.6804	0.2944	7.9748	2.2111	0.2815	2.4926		23,698.29 69	23,698.29 69	0.8167	3.4279	24,740.24 19
Worker	11.9905	6.6211	103.7116	0.3450	43.1522	0.2000	43.3522	11.4460	0.1841	11.6301		34,874.50 37	34,874.50 37	0.7923	0.7968	35,131.74 82
Total	13.2207	53.9130	120.3269	0.5636	50.8325	0.4944	51.3269	13.6570	0.4656	14.1227		58,572.80 05	58,572.80 05	1.6090	4.2247	59,871.99 01

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.5 Building Construction - 2027

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	1.2019	46.7876	16.4484	0.2138	7.6804	0.2919	7.9723	2.2111	0.2792	2.4903		23,208.04 79	23,208.04 79	0.8348	3.3565	24,229.13 76
Worker	11.3330	6.0781	98.1977	0.3350	43.1522	0.1882	43.3403	11.4460	0.1732	11.6192		33,857.44 98	33,857.44 98	0.7277	0.7576	34,101.41 31
Total	12.5349	52.8657	114.6461	0.5487	50.8326	0.4801	51.3127	13.6571	0.4524	14.1095		57,065.49 77	57,065.49 77	1.5624	4.1141	58,330.55 07

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.5 Building Construction - 2027

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2019	46.7876	16.4484	0.2138	7.6804	0.2919	7.9723	2.2111	0.2792	2.4903		23,208.04 79	23,208.04 79	0.8348	3.3565	24,229.13 76
Worker	11.3330	6.0781	98.1977	0.3350	43.1522	0.1882	43.3403	11.4460	0.1732	11.6192		33,857.44 98	33,857.44 98	0.7277	0.7576	34,101.41 31
Total	12.5349	52.8657	114.6461	0.5487	50.8326	0.4801	51.3127	13.6571	0.4524	14.1095		57,065.49 77	57,065.49 77	1.5624	4.1141	58,330.55 07

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.5 Building Construction - 2028

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	1.1792	46.3739	16.3463	0.2092	7.6805	0.2896	7.9701	2.2111	0.2770	2.4881		22,743.26 03	22,743.26 03	0.8536	3.2877	23,744.33 93
Worker	10.7144	5.6164	93.5444	0.3260	43.1522	0.1757	43.3278	11.4460	0.1617	11.6076		32,947.49 54	32,947.49 54	0.6714	0.7245	33,180.17 46
Total	11.8936	51.9903	109.8907	0.5352	50.8327	0.4653	51.2979	13.6571	0.4386	14.0957		55,690.75 56	55,690.75 56	1.5251	4.0122	56,924.51 38

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.5 Building Construction - 2028

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1792	46.3739	16.3463	0.2092	7.6805	0.2896	7.9701	2.2111	0.2770	2.4881		22,743.26 03	22,743.26 03	0.8536	3.2877	23,744.33 93
Worker	10.7144	5.6164	93.5444	0.3260	43.1522	0.1757	43.3278	11.4460	0.1617	11.6076		32,947.49 54	32,947.49 54	0.6714	0.7245	33,180.17 46
Total	11.8936	51.9903	109.8907	0.5352	50.8327	0.4653	51.2979	13.6571	0.4386	14.0957		55,690.75 56	55,690.75 56	1.5251	4.0122	56,924.51 38

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.5 Building Construction - 2029

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	1.1583	45.8750	16.2531	0.2047	7.6805	0.2866	7.9672	2.2111	0.2741	2.4853		22,275.96 06	22,275.96 06	0.8718	3.2185	23,256.85 90
Worker	10.1036	5.2128	89.4147	0.3179	43.1522	0.1639	43.3161	11.4460	0.1509	11.5968		32,133.02 98	32,133.02 98	0.6211	0.6959	32,355.93 10
Total	11.2620	51.0878	105.6679	0.5226	50.8327	0.4506	51.2832	13.6571	0.4250	14.0821		54,408.99 04	54,408.99 04	1.4928	3.9144	55,612.79 00

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.5 Building Construction - 2029

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1583	45.8750	16.2531	0.2047	7.6805	0.2866	7.9672	2.2111	0.2741	2.4853		22,275.96 06	22,275.96 06	0.8718	3.2185	23,256.85 90
Worker	10.1036	5.2128	89.4147	0.3179	43.1522	0.1639	43.3161	11.4460	0.1509	11.5968		32,133.02 98	32,133.02 98	0.6211	0.6959	32,355.93 10
Total	11.2620	51.0878	105.6679	0.5226	50.8327	0.4506	51.2832	13.6571	0.4250	14.0821		54,408.99 04	54,408.99 04	1.4928	3.9144	55,612.79 00

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.5 Building Construction - 2030

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

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	1.1420	45.5353	16.2003	0.2007	7.6806	0.2846	7.9652	2.2112	0.2722	2.4834		21,864.9493	21,864.9493	0.8888	3.1579	22,828.2160
Worker	9.5033	4.8542	85.8002	0.3107	43.1522	0.1530	43.3051	11.4460	0.1408	11.5867		31,406.6682	31,406.6682	0.5759	0.6711	31,621.0396
Total	10.6452	50.3895	102.0004	0.5114	50.8327	0.4376	51.2703	13.6571	0.4130	14.0701		53,271.6175	53,271.6175	1.4647	3.8289	54,449.2556

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.5 Building Construction - 2030

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

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	1.1420	45.5353	16.2003	0.2007	7.6806	0.2846	7.9652	2.2112	0.2722	2.4834		21,864.9493	21,864.9493	0.8888	3.1579	22,828.2160
Worker	9.5033	4.8542	85.8002	0.3107	43.1522	0.1530	43.3051	11.4460	0.1408	11.5867		31,406.6682	31,406.6682	0.5759	0.6711	31,621.0396
Total	10.6452	50.3895	102.0004	0.5114	50.8327	0.4376	51.2703	13.6571	0.4130	14.0701		53,271.6175	53,271.6175	1.4647	3.8289	54,449.2556

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.5 Building Construction - 2031

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

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	1.1294	45.3284	16.1783	0.1972	7.6807	0.2830	7.9637	2.2112	0.2707	2.4819		21,508.6598	21,508.6598	0.9021	3.1065	22,456.9620
Worker	8.9106	4.5332	82.5668	0.3043	43.1522	0.1428	43.2950	11.4460	0.1314	11.5774		30,761.4584	30,761.4584	0.5351	0.6494	30,968.3495
Total	10.0400	49.8616	98.7451	0.5016	50.8328	0.4258	51.2586	13.6571	0.4021	14.0593		52,270.1181	52,270.1181	1.4371	3.7559	53,425.3115

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.5 Building Construction - 2031

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

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	1.1294	45.3284	16.1783	0.1972	7.6807	0.2830	7.9637	2.2112	0.2707	2.4819		21,508.6598	21,508.6598	0.9021	3.1065	22,456.9620
Worker	8.9106	4.5332	82.5668	0.3043	43.1522	0.1428	43.2950	11.4460	0.1314	11.5774		30,761.4584	30,761.4584	0.5351	0.6494	30,968.3495
Total	10.0400	49.8616	98.7451	0.5016	50.8328	0.4258	51.2586	13.6571	0.4021	14.0593		52,270.1181	52,270.1181	1.4371	3.7559	53,425.3115

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.5 Building Construction - 2032

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

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	1.1201	45.1709	16.1857	0.1942	7.6807	0.2816	7.9623	2.2112	0.2694	2.4806		21,196.5919	21,196.5919	0.9142	3.0619	22,131.9022
Worker	8.3706	4.2634	79.7568	0.2987	43.1522	0.1336	43.2857	11.4460	0.1229	11.5689		30,192.0037	30,192.0037	0.4990	0.6313	30,392.5942
Total	9.4908	49.4343	95.9425	0.4929	50.8329	0.4152	51.2480	13.6572	0.3922	14.0494		51,388.5956	51,388.5956	1.4132	3.6932	52,524.4964

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.5 Building Construction - 2032

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

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	1.1201	45.1709	16.1857	0.1942	7.6807	0.2816	7.9623	2.2112	0.2694	2.4806		21,196.5919	21,196.5919	0.9142	3.0619	22,131.9022
Worker	8.3706	4.2634	79.7568	0.2987	43.1522	0.1336	43.2857	11.4460	0.1229	11.5689		30,192.0037	30,192.0037	0.4990	0.6313	30,392.5942
Total	9.4908	49.4343	95.9425	0.4929	50.8329	0.4152	51.2480	13.6572	0.3922	14.0494		51,388.5956	51,388.5956	1.4132	3.6932	52,524.4964

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.5 Building Construction - 2033

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

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	1.1139	45.0367	16.2143	0.1915	7.6808	0.2803	7.9611	2.2112	0.2681	2.4794		20,917.7466	20,917.7466	0.9254	3.0225	21,841.5842
Worker	7.8890	4.0408	77.3272	0.2937	43.1522	0.1252	43.2773	11.4460	0.1152	11.5611		29,692.3287	29,692.3287	0.4673	0.6163	29,887.6736
Total	9.0029	49.0775	93.5416	0.4853	50.8329	0.4055	51.2384	13.6572	0.3833	14.0405		50,610.0752	50,610.0752	1.3927	3.6388	51,729.2578

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.5 Building Construction - 2033

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

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	1.1139	45.0367	16.2143	0.1915	7.6808	0.2803	7.9611	2.2112	0.2681	2.4794		20,917.7466	20,917.7466	0.9254	3.0225	21,841.5842
Worker	7.8890	4.0408	77.3272	0.2937	43.1522	0.1252	43.2773	11.4460	0.1152	11.5611		29,692.3287	29,692.3287	0.4673	0.6163	29,887.6736
Total	9.0029	49.0775	93.5416	0.4853	50.8329	0.4055	51.2384	13.6572	0.3833	14.0405		50,610.0752	50,610.0752	1.3927	3.6388	51,729.2578

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.5 Building Construction - 2034

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

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	1.1094	44.8998	16.2477	0.1891	7.6808	0.2789	7.9597	2.2112	0.2668	2.4780		20,664.5061	20,664.5061	0.9352	2.9869	21,577.9791
Worker	7.4514	3.8547	75.1303	0.2894	43.1522	0.1174	43.2696	11.4460	0.1081	11.5540		29,254.9010	29,254.9010	0.4386	0.6038	29,445.8040
Total	8.5608	48.7545	91.3779	0.4785	50.8330	0.3963	51.2293	13.6572	0.3748	14.0320		49,919.4071	49,919.4071	1.3739	3.5907	51,023.7831

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.5 Building Construction - 2034

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

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	1.1094	44.8998	16.2477	0.1891	7.6808	0.2789	7.9597	2.2112	0.2668	2.4780		20,664.5061	20,664.5061	0.9352	2.9869	21,577.9791
Worker	7.4514	3.8547	75.1303	0.2894	43.1522	0.1174	43.2696	11.4460	0.1081	11.5540		29,254.9010	29,254.9010	0.4386	0.6038	29,445.8040
Total	8.5608	48.7545	91.3779	0.4785	50.8330	0.3963	51.2293	13.6572	0.3748	14.0320		49,919.4071	49,919.4071	1.3739	3.5907	51,023.7831

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.6 Paving - 2034

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302

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	0.0213	0.0110	0.2145	8.3000e-004	0.1232	3.4000e-004	0.1236	0.0327	3.1000e-004	0.0330		83.5377	83.5377	1.2500e-003	1.7200e-003	84.0828
Total	0.0213	0.0110	0.2145	8.3000e-004	0.1232	3.4000e-004	0.1236	0.0327	3.1000e-004	0.0330		83.5377	83.5377	1.2500e-003	1.7200e-003	84.0828

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.6 Paving - 2034

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302

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	0.0213	0.0110	0.2145	8.3000e-004	0.1232	3.4000e-004	0.1236	0.0327	3.1000e-004	0.0330		83.5377	83.5377	1.2500e-003	1.7200e-003	84.0828
Total	0.0213	0.0110	0.2145	8.3000e-004	0.1232	3.4000e-004	0.1236	0.0327	3.1000e-004	0.0330		83.5377	83.5377	1.2500e-003	1.7200e-003	84.0828

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.6 Paving - 2035

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	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874		2,656.5168	2,656.5168	0.1022		2,659.0727
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874		2,656.5168	2,656.5168	0.1022		2,659.0727

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	0.0202	0.0106	0.2092	8.2000e-004	0.1232	3.2000e-004	0.1235	0.0327	2.9000e-004	0.0330		82.4579	82.4579	1.1800e-003	1.7000e-003	82.9929
Total	0.0202	0.0106	0.2092	8.2000e-004	0.1232	3.2000e-004	0.1235	0.0327	2.9000e-004	0.0330		82.4579	82.4579	1.1800e-003	1.7000e-003	82.9929

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.6 Paving - 2035

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	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874	0.0000	2,656.5168	2,656.5168	0.1022		2,659.0726
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874	0.0000	2,656.5168	2,656.5168	0.1022		2,659.0726

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	0.0202	0.0106	0.2092	8.2000e-004	0.1232	3.2000e-004	0.1235	0.0327	2.9000e-004	0.0330		82.4579	82.4579	1.1800e-003	1.7000e-003	82.9929
Total	0.0202	0.0106	0.2092	8.2000e-004	0.1232	3.2000e-004	0.1235	0.0327	2.9000e-004	0.0330		82.4579	82.4579	1.1800e-003	1.7000e-003	82.9929

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.7 Architectural Coating - 2035

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	1,140.6219					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104		281.7081
Total	1,140.7398	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104		281.7081

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	1.4128	0.7426	14.6588	0.0572	8.6337	0.0221	8.6558	2.2901	0.0204	2.3104		5,777.5480	5,777.5480	0.0828	0.1189	5,815.0357
Total	1.4128	0.7426	14.6588	0.0572	8.6337	0.0221	8.6558	2.2901	0.0204	2.3104		5,777.5480	5,777.5480	0.0828	0.1189	5,815.0357

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

3.7 Architectural Coating - 2035

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	1,140.6219					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	281.4481	281.4481	0.0104		281.7081
Total	1,140.7398	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	281.4481	281.4481	0.0104		281.7081

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	1.4128	0.7426	14.6588	0.0572	8.6337	0.0221	8.6558	2.2901	0.0204	2.3104		5,777.5480	5,777.5480	0.0828	0.1189	5,815.0357
Total	1.4128	0.7426	14.6588	0.0572	8.6337	0.0221	8.6558	2.2901	0.0204	2.3104		5,777.5480	5,777.5480	0.0828	0.1189	5,815.0357

Escondido EVSP_Proposed Op - San Diego Air Basin, 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	141.4823	108.3801	1,079.8122	2.1579	285.5885	1.2850	286.8735	76.0596	1.1990	77.2586		220,350.9318	220,350.9318	17.2717	10.9620	224,049.3858
Unmitigated	141.4823	108.3801	1,079.8122	2.1579	285.5885	1.2850	286.8735	76.0596	1.1990	77.2586		220,350.9318	220,350.9318	17.2717	10.9620	224,049.3858

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	34,199.20	34,199.20	34,199.20	34,855,825	34,855,825
City Park	0.00	0.00	0.00		
General Office Building	5,648.17	5,648.17	5,648.17	3,083,899	3,083,899
Library	0.00	0.00	0.00		
Medical Office Building	7,869.42	7,869.42	7,869.42	4,296,702	4,296,702
Single Family Housing	4,017.60	4,017.60	4,017.60	4,094,738	4,094,738
Strip Mall	42,160.38	42,160.38	42,160.38	89,377,307	89,377,307
Total	93,894.76	93,894.76	93,894.76	135,708,471	135,708,471

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
Apartments Mid Rise	2.80	2.80	2.80	41.60	18.80	39.60	100	0	0

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	100	0	0
General Office Building	1.50	1.50	1.50	33.00	48.00	19.00	100	0	0
Library	9.50	7.30	7.30	52.00	43.00	5.00	100	0	0
Medical Office Building	1.50	1.50	1.50	29.60	51.40	19.00	100	0	0
Single Family Housing	2.80	2.80	2.80	41.60	18.80	39.60	100	0	0
Strip Mall	5.82	5.82	5.82	16.60	64.40	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.581445	0.061322	0.168269	0.110400	0.022610	0.006703	0.010268	0.006246	0.000647	0.000667	0.027159	0.000784	0.003479
City Park	0.581445	0.061322	0.168269	0.110400	0.022610	0.006703	0.010268	0.006246	0.000647	0.000667	0.027159	0.000784	0.003479
General Office Building	0.581445	0.061322	0.168269	0.110400	0.022610	0.006703	0.010268	0.006246	0.000647	0.000667	0.027159	0.000784	0.003479
Library	0.581445	0.061322	0.168269	0.110400	0.022610	0.006703	0.010268	0.006246	0.000647	0.000667	0.027159	0.000784	0.003479
Medical Office Building	0.581445	0.061322	0.168269	0.110400	0.022610	0.006703	0.010268	0.006246	0.000647	0.000667	0.027159	0.000784	0.003479
Single Family Housing	0.581445	0.061322	0.168269	0.110400	0.022610	0.006703	0.010268	0.006246	0.000647	0.000667	0.027159	0.000784	0.003479
Strip Mall	0.581445	0.061322	0.168269	0.110400	0.022610	0.006703	0.010268	0.006246	0.000647	0.000667	0.027159	0.000784	0.003479

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	2.0975	18.1958	9.6211	0.1144		1.4492	1.4492		1.4492	1.4492		22,881.6038	22,881.6038	0.4386	0.4195	23,017.5777
NaturalGas Unmitigated	2.0975	18.1958	9.6211	0.1144		1.4492	1.4492		1.4492	1.4492		22,881.6038	22,881.6038	0.4386	0.4195	23,017.5777

Escondido EVSP_Proposed Op - San Diego Air Basin, 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					
Apartments Mid Rise	109958	1.1858	10.1334	4.3121	0.0647		0.8193	0.8193		0.8193	0.8193		12,936.2423	12,936.2423	0.2479	0.2372	13,013.1159
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	15082.9	0.1627	1.4787	1.2421	8.8700e-003		0.1124	0.1124		0.1124	0.1124		1,774.4546	1,774.4546	0.0340	0.0325	1,784.9993
Library	3884.61	0.0419	0.3808	0.3199	2.2900e-003		0.0289	0.0289		0.0289	0.0289		457.0126	457.0126	8.7600e-003	8.3800e-003	459.7284
Medical Office Building	21014.5	0.2266	2.0602	1.7306	0.0124		0.1566	0.1566		0.1566	0.1566		2,472.2927	2,472.2927	0.0474	0.0453	2,486.9843
Single Family Housing	38314.5	0.4132	3.5309	1.5025	0.0225		0.2855	0.2855		0.2855	0.2855		4,507.5883	4,507.5883	0.0864	0.0826	4,534.3746
Strip Mall	6239.11	0.0673	0.6117	0.5138	3.6700e-003		0.0465	0.0465		0.0465	0.0465		734.0132	734.0132	0.0141	0.0135	738.3751
Total		2.0975	18.1958	9.6211	0.1144		1.4492	1.4492		1.4492	1.4492		22,881.6038	22,881.6038	0.4386	0.4195	23,017.5777

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	109.958	1.1858	10.1334	4.3121	0.0647		0.8193	0.8193		0.8193	0.8193		12,936.2423	12,936.2423	0.2479	0.2372	13,013.1159
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	15.0829	0.1627	1.4787	1.2421	8.8700e-003		0.1124	0.1124		0.1124	0.1124		1,774.4546	1,774.4546	0.0340	0.0325	1,784.9993
Library	3.88461	0.0419	0.3808	0.3199	2.2900e-003		0.0289	0.0289		0.0289	0.0289		457.0126	457.0126	8.7600e-003	8.3800e-003	459.7284
Medical Office Building	21.0145	0.2266	2.0602	1.7306	0.0124		0.1566	0.1566		0.1566	0.1566		2,472.2927	2,472.2927	0.0474	0.0453	2,486.9843
Single Family Housing	38.3145	0.4132	3.5309	1.5025	0.0225		0.2855	0.2855		0.2855	0.2855		4,507.5883	4,507.5883	0.0864	0.0826	4,534.3746
Strip Mall	6.23911	0.0673	0.6117	0.5138	3.6700e-003		0.0465	0.0465		0.0465	0.0465		734.0132	734.0132	0.0141	0.0135	738.3751
Total		2.0975	18.1958	9.6211	0.1144		1.4492	1.4492		1.4492	1.4492		22,881.6038	22,881.6038	0.4386	0.4195	23,017.5777

6.0 Area Detail

6.1 Mitigation Measures Area

Escondido EVSP_Proposed Op - San Diego Air Basin, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	266.8364	16.0665	511.2845	0.0921		3.6469	3.6469		3.6469	3.6469	0.0000	13,960.7831	13,960.7831	1.1227	0.2392	14,060.1189
Unmitigated	266.8364	16.0665	511.2845	0.0921		3.6469	3.6469		3.6469	3.6469	0.0000	13,960.7831	13,960.7831	1.1227	0.2392	14,060.1189

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	68.7498					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	181.7222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.1958	10.2184	4.3482	0.0652		0.8262	0.8262		0.8262	0.8262	0.0000	13,044.7059	13,044.7059	0.2500	0.2392	13,122.2241
Landscaping	15.1686	5.8481	506.9363	0.0269		2.8208	2.8208		2.8208	2.8208		916.0772	916.0772	0.8727		937.8948
Total	266.8364	16.0665	511.2845	0.0921		3.6469	3.6469		3.6469	3.6469	0.0000	13,960.7831	13,960.7831	1.1227	0.2392	14,060.1189

Escondido EVSP_Proposed Op - San Diego Air Basin, 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	68.7498					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	181.7222					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.1958	10.2184	4.3482	0.0652		0.8262	0.8262		0.8262	0.8262	0.0000	13,044.70 59	13,044.70 59	0.2500	0.2392	13,122.22 41
Landscaping	15.1686	5.8481	506.9363	0.0269		2.8208	2.8208		2.8208	2.8208		916.0772	916.0772	0.8727		937.8948
Total	266.8364	16.0665	511.2845	0.0921		3.6469	3.6469		3.6469	3.6469	0.0000	13,960.78 31	13,960.78 31	1.1227	0.2392	14,060.11 89

7.0 Water Detail

7.1 Mitigation Measures Water

Escondido EVSP_Proposed Op - San Diego Air Basin, 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

EVSP Construction 1 YR Buildout - San Diego Air Basin, Summer

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

EVSP Construction 1 YR Buildout

San Diego Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	26.00	Dwelling Unit	4.20	46,800.00	74
Apartments Mid Rise	346.00	Dwelling Unit	6.00	346,000.00	990
Strip Mall	26.75	1000sqft	0.25	26,753.30	0
General Office Building	15.11	1000sqft	0.35	15,114.60	0
City Park	1.67	Acre	1.67	72,745.20	0
Library	7.88	1000sqft	0.09	7,878.93	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2022
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	539.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Took total SF from proposed table 3-2 and equally divided each land use by 15 years
- Construction Phase - Adjusted to one year
- Grading - revised to full lot acreage
- Demolition - 75% of existing development divided by 15 years to get one year of demo

EVSP Construction 1 YR Buildout - San Diego Air Basin, Summer

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

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	200.00
tblConstructionPhase	NumDays	300.00	200.00
tblConstructionPhase	PhaseEndDate	12/12/2022	5/30/2022
tblConstructionPhase	PhaseEndDate	10/17/2022	5/30/2022
tblConstructionPhase	PhaseEndDate	11/14/2022	6/27/2022
tblConstructionPhase	PhaseStartDate	11/15/2022	8/24/2021
tblConstructionPhase	PhaseStartDate	10/18/2022	5/31/2022
tblGrading	AcresOfGrading	90.00	13.00
tblLandUse	LotAcreage	8.44	4.20
tblLandUse	LotAcreage	9.11	6.00
tblLandUse	LotAcreage	0.61	0.25
tblLandUse	LotAcreage	0.18	0.09

2.0 Emissions Summary

EVSP Construction 1 YR Buildout - San Diego Air Basin, Summer

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	70.6905	46.4426	31.4402	0.0714	19.8049	2.0454	21.8502	10.1417	1.8817	12.0234	0.0000	7,126.0239	7,126.0239	1.9476	0.2838	7,229.8033
2022	70.3265	20.9125	28.7604	0.0702	3.4212	0.9425	4.3637	0.9167	0.8918	1.8084	0.0000	7,013.4942	7,013.4942	0.7525	0.2723	7,113.4562
Maximum	70.6905	46.4426	31.4402	0.0714	19.8049	2.0454	21.8502	10.1417	1.8817	12.0234	0.0000	7,126.0239	7,126.0239	1.9476	0.2838	7,229.8033

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					
2021	70.6905	46.4426	31.4402	0.0714	19.8049	2.0454	21.8502	10.1417	1.8817	12.0234	0.0000	7,126.0239	7,126.0239	1.9476	0.2838	7,229.8033
2022	70.3265	20.9125	28.7604	0.0702	3.4212	0.9425	4.3637	0.9167	0.8918	1.8084	0.0000	7,013.4942	7,013.4942	0.7525	0.2723	7,113.4562
Maximum	70.6905	46.4426	31.4402	0.0714	19.8049	2.0454	21.8502	10.1417	1.8817	12.0234	0.0000	7,126.0239	7,126.0239	1.9476	0.2838	7,229.8033

EVSP Construction 1 YR Buildout - San Diego Air Basin, Summer

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	583.3924	11.4723	733.4763	1.2748		98.7017	98.7017		98.7017	98.7017	10,331.0838	4,387.9786	14,719.0625	9.5872	0.8126	15,200.9030
Energy	0.1043	0.8990	0.4330	5.6900e-003		0.0721	0.0721		0.0721	0.0721		1,138.2867	1,138.2867	0.0218	0.0209	1,145.0510
Mobile	11.6883	11.9761	97.4860	0.2011	19.6595	0.1749	19.8344	5.2374	0.1635	5.4009		20,582.4785	20,582.4785	1.4684	0.9228	20,894.1824
Total	595.1850	24.3474	831.3953	1.4816	19.6595	98.9487	118.6082	5.2374	98.9373	104.1747	10,331.0838	26,108.7439	36,439.8277	11.0775	1.7563	37,240.1364

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	583.3924	11.4723	733.4763	1.2748		98.7017	98.7017		98.7017	98.7017	10,331.0838	4,387.9786	14,719.0625	9.5872	0.8126	15,200.9030
Energy	0.1043	0.8990	0.4330	5.6900e-003		0.0721	0.0721		0.0721	0.0721		1,138.2867	1,138.2867	0.0218	0.0209	1,145.0510
Mobile	11.6883	11.9761	97.4860	0.2011	19.6595	0.1749	19.8344	5.2374	0.1635	5.4009		20,582.4785	20,582.4785	1.4684	0.9228	20,894.1824
Total	595.1850	24.3474	831.3953	1.4816	19.6595	98.9487	118.6082	5.2374	98.9373	104.1747	10,331.0838	26,108.7439	36,439.8277	11.0775	1.7563	37,240.1364

EVSP Construction 1 YR Buildout - San Diego Air Basin, Summer

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2021	6/28/2021	5	20	
2	Site Preparation	Site Preparation	6/29/2021	7/12/2021	5	10	
3	Grading	Grading	7/13/2021	8/23/2021	5	30	
4	Building Construction	Building Construction	8/24/2021	5/30/2022	5	200	
5	Paving	Paving	5/31/2022	6/27/2022	5	20	
6	Architectural Coating	Architectural Coating	8/24/2021	5/30/2022	5	200	

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 13

Acres of Paving: 0

Residential Indoor: 795,420; Residential Outdoor: 265,140; Non-Residential Indoor: 74,620; Non-Residential Outdoor: 24,873; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Demolition	Excavators	3	8.00	158	0.38
Grading	Excavators	2	8.00	158	0.38

EVSP Construction 1 YR Buildout - San Diego Air Basin, Summer

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

Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	467.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	306.00	60.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	61.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

EVSP Construction 1 YR Buildout - San Diego Air Basin, Summer

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

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.1154	0.0000	5.1154	0.7747	0.0000	0.7747			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	5.1154	1.5513	6.6667	0.7747	1.4411	2.2157		3,747.9449	3,747.9449	1.0549		3,774.3174

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	0.1709	4.4810	1.0733	0.0151	0.4084	0.0667	0.4751	0.1119	0.0638	0.1758		1,659.0565	1,659.0565	0.0780	0.2633	1,739.4717
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	0.0468	0.0320	0.4213	1.1600e-003	0.1232	7.4000e-004	0.1240	0.0327	6.8000e-004	0.0334		117.4904	117.4904	3.6200e-003	3.1800e-003	118.5293
Total	0.2178	4.5131	1.4946	0.0163	0.5316	0.0675	0.5991	0.1446	0.0645	0.2091		1,776.5470	1,776.5470	0.0816	0.2665	1,858.0009

EVSP Construction 1 YR Buildout - San Diego Air Basin, Summer

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

3.2 Demolition - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.1154	0.0000	5.1154	0.7747	0.0000	0.7747			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	5.1154	1.5513	6.6667	0.7747	1.4411	2.2157	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174

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	0.1709	4.4810	1.0733	0.0151	0.4084	0.0667	0.4751	0.1119	0.0638	0.1758		1,659.0565	1,659.0565	0.0780	0.2633	1,739.4717
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	0.0468	0.0320	0.4213	1.1600e-003	0.1232	7.4000e-004	0.1240	0.0327	6.8000e-004	0.0334		117.4904	117.4904	3.6200e-003	3.1800e-003	118.5293
Total	0.2178	4.5131	1.4946	0.0163	0.5316	0.0675	0.5991	0.1446	0.0645	0.2091		1,776.5470	1,776.5470	0.0816	0.2665	1,858.0009

EVSP Construction 1 YR Buildout - San Diego Air Basin, Summer

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

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	3.8882	40.4971	21.1543	0.0380	19.6570	2.0445	21.7015	10.1025	1.8809	11.9834		3,685.6569	3,685.6569	1.1920		3,715.4573

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	0.0562	0.0385	0.5056	1.3900e-003	0.1479	8.9000e-004	0.1488	0.0392	8.2000e-004	0.0400		140.9885	140.9885	4.3500e-003	3.8200e-003	142.2351
Total	0.0562	0.0385	0.5056	1.3900e-003	0.1479	8.9000e-004	0.1488	0.0392	8.2000e-004	0.0400		140.9885	140.9885	4.3500e-003	3.8200e-003	142.2351

EVSP Construction 1 YR Buildout - San Diego Air Basin, Summer

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

3.3 Site Preparation - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	3.8882	40.4971	21.1543	0.0380	19.6570	2.0445	21.7015	10.1025	1.8809	11.9834	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573

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	0.0562	0.0385	0.5056	1.3900e-003	0.1479	8.9000e-004	0.1488	0.0392	8.2000e-004	0.0400		140.9885	140.9885	4.3500e-003	3.8200e-003	142.2351
Total	0.0562	0.0385	0.5056	1.3900e-003	0.1479	8.9000e-004	0.1488	0.0392	8.2000e-004	0.0400		140.9885	140.9885	4.3500e-003	3.8200e-003	142.2351

EVSP Construction 1 YR Buildout - San Diego Air Basin, Summer

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

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.4816	0.0000	6.4816	3.3599	0.0000	3.3599			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.043 4	6,007.043 4	1.9428		6,055.613 4
Total	4.1912	46.3998	30.8785	0.0620	6.4816	1.9853	8.4670	3.3599	1.8265	5.1864		6,007.043 4	6,007.043 4	1.9428		6,055.613 4

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0625	0.0427	0.5618	1.5500e-003	0.1643	9.8000e-004	0.1653	0.0436	9.1000e-004	0.0445		156.6539	156.6539	4.8300e-003	4.2400e-003	158.0390
Total	0.0625	0.0427	0.5618	1.5500e-003	0.1643	9.8000e-004	0.1653	0.0436	9.1000e-004	0.0445		156.6539	156.6539	4.8300e-003	4.2400e-003	158.0390

EVSP Construction 1 YR Buildout - San Diego Air Basin, Summer

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

3.4 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.4816	0.0000	6.4816	3.3599	0.0000	3.3599			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.043 4	6,007.043 4	1.9428		6,055.613 4
Total	4.1912	46.3998	30.8785	0.0620	6.4816	1.9853	8.4670	3.3599	1.8265	5.1864	0.0000	6,007.043 4	6,007.043 4	1.9428		6,055.613 4

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0625	0.0427	0.5618	1.5500e-003	0.1643	9.8000e-004	0.1653	0.0436	9.1000e-004	0.0445		156.6539	156.6539	4.8300e-003	4.2400e-003	158.0390
Total	0.0625	0.0427	0.5618	1.5500e-003	0.1643	9.8000e-004	0.1653	0.0436	9.1000e-004	0.0445		156.6539	156.6539	4.8300e-003	4.2400e-003	158.0390

EVSP Construction 1 YR Buildout - San Diego Air Basin, Summer

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

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

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	0.2140	3.8711	1.2688	0.0132	0.4064	0.0674	0.4737	0.1170	0.0645	0.1814		1,416.6132	1,416.6132	0.0445	0.2059	1,479.0920
Worker	0.9556	0.6536	8.5948	0.0237	2.5137	0.0151	2.5288	0.6668	0.0139	0.6806		2,396.8044	2,396.8044	0.0739	0.0649	2,417.9971
Total	1.1696	4.5247	9.8636	0.0368	2.9201	0.0824	3.0025	0.7837	0.0783	0.8620		3,813.4176	3,813.4176	0.1184	0.2709	3,897.0891

EVSP Construction 1 YR Buildout - San Diego Air Basin, Summer

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

3.5 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

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	0.2140	3.8711	1.2688	0.0132	0.4064	0.0674	0.4737	0.1170	0.0645	0.1814		1,416.6132	1,416.6132	0.0445	0.2059	1,479.0920
Worker	0.9556	0.6536	8.5948	0.0237	2.5137	0.0151	2.5288	0.6668	0.0139	0.6806		2,396.8044	2,396.8044	0.0739	0.0649	2,417.9971
Total	1.1696	4.5247	9.8636	0.0368	2.9201	0.0824	3.0025	0.7837	0.0783	0.8620		3,813.4176	3,813.4176	0.1184	0.2709	3,897.0891

EVSP Construction 1 YR Buildout - San Diego Air Basin, Summer

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

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1337	3.1909	1.0674	0.0128	0.4064	0.0347	0.4410	0.1170	0.0332	0.1502		1,378.9538	1,378.9538	0.0419	0.2002	1,439.6485
Worker	0.8934	0.5816	7.9343	0.0229	2.5137	0.0142	2.5280	0.6668	0.0131	0.6799		2,333.5700	2,333.5700	0.0670	0.0602	2,353.1728
Total	1.0271	3.7724	9.0017	0.0357	2.9201	0.0489	2.9690	0.7837	0.0463	0.8300		3,712.5238	3,712.5238	0.1089	0.2603	3,792.8213

EVSP Construction 1 YR Buildout - San Diego Air Basin, Summer

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

3.5 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1337	3.1909	1.0674	0.0128	0.4064	0.0347	0.4410	0.1170	0.0332	0.1502		1,378.9538	1,378.9538	0.0419	0.2002	1,439.6485
Worker	0.8934	0.5816	7.9343	0.0229	2.5137	0.0142	2.5280	0.6668	0.0131	0.6799		2,333.5700	2,333.5700	0.0670	0.0602	2,353.1728
Total	1.0271	3.7724	9.0017	0.0357	2.9201	0.0489	2.9690	0.7837	0.0463	0.8300		3,712.5238	3,712.5238	0.1089	0.2603	3,792.8213

EVSP Construction 1 YR Buildout - San Diego Air Basin, Summer

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

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104

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	0.0438	0.0285	0.3889	1.1200e-003	0.1232	7.0000e-004	0.1239	0.0327	6.4000e-004	0.0333		114.3907	114.3907	3.2800e-003	2.9500e-003	115.3516
Total	0.0438	0.0285	0.3889	1.1200e-003	0.1232	7.0000e-004	0.1239	0.0327	6.4000e-004	0.0333		114.3907	114.3907	3.2800e-003	2.9500e-003	115.3516

EVSP Construction 1 YR Buildout - San Diego Air Basin, Summer

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

3.6 Paving - 2022

Mitigated Construction On-Site

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

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	0.0438	0.0285	0.3889	1.1200e-003	0.1232	7.0000e-004	0.1239	0.0327	6.4000e-004	0.0333		114.3907	114.3907	3.2800e-003	2.9500e-003	115.3516
Total	0.0438	0.0285	0.3889	1.1200e-003	0.1232	7.0000e-004	0.1239	0.0327	6.4000e-004	0.0333		114.3907	114.3907	3.2800e-003	2.9500e-003	115.3516

EVSP Construction 1 YR Buildout - San Diego Air Basin, Summer

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

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	67.2106					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	67.4295	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

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	0.1905	0.1303	1.7134	4.7200e-003	0.5011	3.0000e-003	0.5041	0.1329	2.7600e-003	0.1357		477.7943	477.7943	0.0147	0.0129	482.0190
Total	0.1905	0.1303	1.7134	4.7200e-003	0.5011	3.0000e-003	0.5041	0.1329	2.7600e-003	0.1357		477.7943	477.7943	0.0147	0.0129	482.0190

EVSP Construction 1 YR Buildout - San Diego Air Basin, Summer

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

3.7 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	67.2106					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	67.4295	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

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	0.1905	0.1303	1.7134	4.7200e-003	0.5011	3.0000e-003	0.5041	0.1329	2.7600e-003	0.1357		477.7943	477.7943	0.0147	0.0129	482.0190
Total	0.1905	0.1303	1.7134	4.7200e-003	0.5011	3.0000e-003	0.5041	0.1329	2.7600e-003	0.1357		477.7943	477.7943	0.0147	0.0129	482.0190

EVSP Construction 1 YR Buildout - San Diego Air Basin, Summer

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

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	67.2106					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	67.4151	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1781	0.1159	1.5817	4.5700e-003	0.5011	2.8400e-003	0.5039	0.1329	2.6100e-003	0.1355		465.1888	465.1888	0.0134	0.0120	469.0966
Total	0.1781	0.1159	1.5817	4.5700e-003	0.5011	2.8400e-003	0.5039	0.1329	2.6100e-003	0.1355		465.1888	465.1888	0.0134	0.0120	469.0966

EVSP Construction 1 YR Buildout - San Diego Air Basin, Summer

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

3.7 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	67.2106					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	67.4151	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1781	0.1159	1.5817	4.5700e-003	0.5011	2.8400e-003	0.5039	0.1329	2.6100e-003	0.1355		465.1888	465.1888	0.0134	0.0120	469.0966
Total	0.1781	0.1159	1.5817	4.5700e-003	0.5011	2.8400e-003	0.5039	0.1329	2.6100e-003	0.1355		465.1888	465.1888	0.0134	0.0120	469.0966

EVSP Construction 1 YR Buildout - San Diego Air Basin, Summer

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	11.6883	11.9761	97.4860	0.2011	19.6595	0.1749	19.8344	5.2374	0.1635	5.4009		20,582.47 85	20,582.47 85	1.4684	0.9228	20,894.18 24
Unmitigated	11.6883	11.9761	97.4860	0.2011	19.6595	0.1749	19.8344	5.2374	0.1635	5.4009		20,582.47 85	20,582.47 85	1.4684	0.9228	20,894.18 24

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,882.24	1,698.86	1415.14	5,109,035	5,109,035
City Park	1.30	3.27	3.66	4,100	4,100
General Office Building	147.22	33.40	10.58	266,309	266,309
Library	567.68	631.02	331.62	920,315	920,315
Single Family Housing	245.44	248.04	222.30	692,427	692,427
Strip Mall	1,185.71	1,124.71	546.57	1,671,994	1,671,994
Total	4,029.58	3,739.31	2,529.87	8,664,180	8,664,180

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
Apartments Mid Rise	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3

EVSP Construction 1 YR Buildout - San Diego Air Basin, Summer

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

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Library	9.50	7.30	7.30	52.00	43.00	5.00	44	44	12
Single Family Housing	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.548470	0.062992	0.183336	0.122442	0.024733	0.006148	0.008613	0.006191	0.000732	0.000545	0.029420	0.000989	0.005388
City Park	0.548470	0.062992	0.183336	0.122442	0.024733	0.006148	0.008613	0.006191	0.000732	0.000545	0.029420	0.000989	0.005388
General Office Building	0.548470	0.062992	0.183336	0.122442	0.024733	0.006148	0.008613	0.006191	0.000732	0.000545	0.029420	0.000989	0.005388
Library	0.548470	0.062992	0.183336	0.122442	0.024733	0.006148	0.008613	0.006191	0.000732	0.000545	0.029420	0.000989	0.005388
Single Family Housing	0.548470	0.062992	0.183336	0.122442	0.024733	0.006148	0.008613	0.006191	0.000732	0.000545	0.029420	0.000989	0.005388
Strip Mall	0.548470	0.062992	0.183336	0.122442	0.024733	0.006148	0.008613	0.006191	0.000732	0.000545	0.029420	0.000989	0.005388

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

EVSP Construction 1 YR Buildout - San Diego Air Basin, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1043	0.8990	0.4330	5.6900e-003		0.0721	0.0721		0.0721	0.0721		1,138.2867	1,138.2867	0.0218	0.0209	1,145.0510
NaturalGas Unmitigated	0.1043	0.8990	0.4330	5.6900e-003		0.0721	0.0721		0.0721	0.0721		1,138.2867	1,138.2867	0.0218	0.0209	1,145.0510

EVSP Construction 1 YR Buildout - San Diego Air Basin, Summer

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	6897.3	0.0744	0.6356	0.2705	4.0600e-003		0.0514	0.0514		0.0514	0.0514		811.4467	811.4467	0.0156	0.0149	816.2687
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	829.44	8.9400e-003	0.0813	0.0683	4.9000e-004		6.1800e-003	6.1800e-003		6.1800e-003	6.1800e-003		97.5811	97.5811	1.8700e-003	1.7900e-003	98.1610
Library	248.672	2.6800e-003	0.0244	0.0205	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2555	29.2555	5.6000e-004	5.4000e-004	29.4294
Single Family Housing	1537.31	0.0166	0.1417	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115		180.8600	180.8600	3.4700e-003	3.3200e-003	181.9348
Strip Mall	162.719	1.7500e-003	0.0160	0.0134	1.0000e-004		1.2100e-003	1.2100e-003		1.2100e-003	1.2100e-003		19.1434	19.1434	3.7000e-004	3.5000e-004	19.2571
Total		0.1043	0.8990	0.4330	5.7000e-003		0.0721	0.0721		0.0721	0.0721		1,138.2867	1,138.2867	0.0218	0.0209	1,145.0510

EVSP Construction 1 YR Buildout - San Diego Air Basin, Summer

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	6.8973	0.0744	0.6356	0.2705	4.0600e-003		0.0514	0.0514		0.0514	0.0514		811.4467	811.4467	0.0156	0.0149	816.2687
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0.82944	8.9400e-003	0.0813	0.0683	4.9000e-004		6.1800e-003	6.1800e-003		6.1800e-003	6.1800e-003		97.5811	97.5811	1.8700e-003	1.7900e-003	98.1610
Library	0.248672	2.6800e-003	0.0244	0.0205	1.5000e-004		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003		29.2555	29.2555	5.6000e-004	5.4000e-004	29.4294
Single Family Housing	1.53731	0.0166	0.1417	0.0603	9.0000e-004		0.0115	0.0115		0.0115	0.0115		180.8600	180.8600	3.4700e-003	3.3200e-003	181.9348
Strip Mall	0.162719	1.7500e-003	0.0160	0.0134	1.0000e-004		1.2100e-003	1.2100e-003		1.2100e-003	1.2100e-003		19.1434	19.1434	3.7000e-004	3.5000e-004	19.2571
Total		0.1043	0.8990	0.4330	5.7000e-003		0.0721	0.0721		0.0721	0.0721		1,138.2867	1,138.2867	0.0218	0.0209	1,145.0510

6.0 Area Detail

6.1 Mitigation Measures Area

EVSP Construction 1 YR Buildout - San Diego Air Basin, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	583.3924	11.4723	733.4763	1.2748		98.7017	98.7017		98.7017	98.7017	10,331.0838	4,387.9786	14,719.0625	9.5872	0.8126	15,200.9030
Unmitigated	583.3924	11.4723	733.4763	1.2748		98.7017	98.7017		98.7017	98.7017	10,331.0838	4,387.9786	14,719.0625	9.5872	0.8126	15,200.9030

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	3.6828					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.4743					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	569.3069	11.1179	702.7476	1.2732		98.5319	98.5319		98.5319	98.5319	10,331.0838	4,332.7059	14,663.7897	9.5339	0.8126	15,144.2967
Landscaping	0.9285	0.3544	30.7288	1.6200e-003		0.1698	0.1698		0.1698	0.1698		55.2727	55.2727	0.0533		56.6063
Total	583.3924	11.4723	733.4763	1.2748		98.7017	98.7017		98.7017	98.7017	10,331.0838	4,387.9786	14,719.0625	9.5872	0.8126	15,200.9030

EVSP Construction 1 YR Buildout - San Diego Air Basin, Summer

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.6828					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.4743					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	569.3069	11.1179	702.7476	1.2732		98.5319	98.5319		98.5319	98.5319	10,331.0838	4,332.7059	14,663.7897	9.5339	0.8126	15,144.2967
Landscaping	0.9285	0.3544	30.7288	1.6200e-003		0.1698	0.1698		0.1698	0.1698		55.2727	55.2727	0.0533		56.6063
Total	583.3924	11.4723	733.4763	1.2748		98.7017	98.7017		98.7017	98.7017	10,331.0838	4,387.9786	14,719.0625	9.5872	0.8126	15,200.9030

7.0 Water Detail

7.1 Mitigation Measures Water

EVSP Construction 1 YR Buildout - San Diego Air Basin, Summer

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

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

San Diego Air Pollution Control District

The SDAPCD has jurisdiction over air quality programs in the County of San Diego. State and local government projects, as well as projects proposed by the private sector, are subject to SDAPCD requirements if the sources are regulated by the SDAPCD.

The SDAPCD is also responsible for establishing and enforcing local air quality rules and regulations that address the requirements of federal and state air quality laws. Development projects in the City are typically subject to the following SDAPCD rules; other rules may apply depending on the proposed specific operations:

- Rule 51, Nuisance. Prohibits emissions that cause injury, detriment, nuisance, or annoyance to any considerable number of people or to the public; endanger the comfort, repose, health, or safety of any such people or the public; or cause injury or damage to business or property.
- Rule 52, Particulate Matter. Establishes limits to the discharge of any particulate matter from non-stationary sources.
- Rule 54, Dust and Fumes: Establishes limits to the amount of dust or fume discharged into the atmosphere in any one hour.
- Rule 55, Fugitive Dust Control. Sets restrictions on visible fugitive dust from construction and demolition projects.
- Rule 67, Architectural Coatings. Establishes limits to the VOC content for coatings applied in the SDAPCD.

Escondido General Plan

Multiple chapters in the Escondido General Plan include various goals and policies designed to help improve air quality in the City. The goals and policies for improving air quality in the Escondido General Plan are as follows (City of Escondido 2012a):

- Chapter II, Land Use and Community Form
 - Goal 7: Air Quality and Climate Protection
 - Districts containing a mix of uses enabling residents to live close to their jobs, shopping, entertainment, and recreation, reducing the need to use the automobile and promoting walking and healthy lifestyles.
 - Community Character Policy 1.9: Promote development in downtown, at transit stations, and other key districts to accommodate a mix of land uses and configure uses to promote walkability, bicycling, and transit uses, reducing the need for the automobile.
- Chapter III, Mobility and Infrastructure
 - Goal 1: An accessible, safe, convenient, and integrated multi-modal network that connects all users and moves goods and people within the community and region efficiently.
 - Pedestrian Network Policy 3.2: Develop and manage pedestrian facilities to maintain an acceptable Level of Service as defined in the Pedestrian Master Plan.
 - Bicycle Network Policy 4.3: Promote bicycling as a common mode of transportation and recreation to help reduce traffic congestion and improve public health.
- Chapter VII: Resource Conservation
 - Goal 7: Improved air quality in the city and the region to maintain the community's health and reduce greenhouse gas emissions that contribute to climate change.
 - Air Quality and Climate Protection Policy 7.1: Participate in regional planning efforts and coordinate with the San Diego Air Pollution Control District and San Diego Association of Governments in their efforts to reduce air quality impacts and attain state and federal air quality standards.
 - Air Quality and Climate Protection Policy 7.3: Require that new development projects incorporate feasible measures that reduce construction and operational emissions.

Escondido Environmental Quality Regulations

The Environmental Quality Regulations (EQRs), as established in the Escondido Municipal Code, Chapter 33, Article 47, implement the California Environmental Quality Act (CEQA) and the CEQA Guidelines by applying the provisions and procedures in CEQA to development projects proposed in the City. The EQRs establish screening thresholds to determine if additional analysis is required to establish whether a project results in significant impacts. Section 33-924(G) pertains to air quality impacts. A project requires a technical study if it exceeds the thresholds identified in the Escondido Municipal Code. However, a project that exceeds these criteria does not necessarily have a significant impact on the environment. The EQRs for air quality only determine if further analysis is required to determine the potential significant impacts of a project. It was reasonably assumed that the EVSP will exceed the screening level criteria identified in the EQRs; therefore, this memorandum was prepared for the EVSP.

Significance Thresholds

Appendix G of the CEQA Guidelines states that significance criteria established by the applicable air quality management or air pollution control district may be relied on to make impact determinations. As discussed in Regulatory Setting section, the City adopted screening level thresholds to determine if an Air Quality Technical Report should be prepared for a project; however, the City has not adopted significance thresholds to evaluate the significance of air quality impacts once a report has been deemed necessary. In lieu of any set quantitative air quality significance thresholds, the Air Quality Impact Analysis trigger levels in the SDAPCD's Regulation II, Rule 20.2, Table 20-2-1, Air Quality Impact Analysis (AQIA) Trigger Levels, are used to determine the potential significance of air quality impacts, consistent with the certified 2012 General Plan Update, Downtown Specific Plan Update, and CAP PEIR (City of Escondido 2012b). These Air Quality Impact Analysis trigger levels generally apply to new or modified stationary sources of air pollutants, which include only one source of air pollutant emissions. For CEQA purposes, the thresholds can be used to demonstrate that a project's total emissions from all sources does not result in a significant impact to air quality (County of San Diego 2007). For PM_{2.5}, the USEPA's Proposed Rule to Implement the Fine Particle NAAQS (USEPA 2005), which quantifies significant emissions as 10 tons per year (55 pounds per day), is used as the significance threshold. The thresholds are listed in Table 4, Screening Level Criteria Thresholds for Air Quality Impacts.

Table 4. Screening Level Criteria Thresholds for Air Quality Impacts

Pollutant	Emission Rate (pounds/day)
PM ₁₀	100
PM _{2.5}	55
NO _x	250
SO _x	250
CO	550
VOC	75

Sources: SDAPCD 2018; County of San Diego 2007.

Notes: CO = carbon monoxide; NO_x = nitrogen oxides; PM₁₀ = particulate matter less than 10 microns; PM_{2.5} = particulate matter less than 2.5 microns; SO_x = oxides of sulfur oxides; VOC = volatile organic compounds

The thresholds listed in Table 4 represent screening level thresholds that can be used to evaluate if project-related emissions cause a significant impact on air quality. Project emissions below the screening level thresholds would not cause a significant impact. For non-attainment pollutants (O₃, with O₃ precursors NO_x and VOCs, and PM₁₀), if project emissions would exceed the thresholds in Table 4, the Project would result in a cumulatively considerable net increase in these pollutants and have a significant impact on ambient air quality.

Construction Impact Analysis

Construction under the EVSP is discussed to evaluate the potential impacts of the proposed land use mix and rezoning, which were not analyzed at the Specific Plan level in the certified 2012 General Plan Update, Downtown

Specific Plan Update, and CAP PEIR. Construction of future projects under the EVSP would result in temporary air pollutants associated with soil disturbance, dust emissions, employee and material delivery vehicle exhaust, off-gassing from paving and coating activities, and combustion pollutants from off-road construction equipment. Construction-related air pollution emissions can vary from day to day, depending on the level of activity, type of activity, and prevailing weather conditions. The primary air pollutants of concern from construction activities are particulate matter (including both PM₁₀ and PM_{2.5}), CO, and O₃ precursors (including NO_x and VOCs).

Maximum daily construction emissions were estimated using CalEEMod, version 2020.4.0. The Project is a land use plan and does not propose any specific construction projects, and the details of future construction under the plan are currently unknown. Therefore, estimated maximum daily construction emissions were estimated using assumptions for a typical construction year consistent with the certified 2012 General Plan Update, Downtown Specific Plan Update, and CAP PEIR assumptions (City of Escondido 2012b). It was assumed that an equal amount of development will occur each year between the 2020 baseline and 2035 buildout year and that 75% of existing development will be demolished over the same period, which is higher than what was assumed in the certified 2012 General Plan Update, Downtown Specific Plan Update, and CAP PEIR. This is because the existing area is largely built out, and redevelopment will be necessary to accommodate the planned growth. It was also assumed that architectural coating phases will typically overlap with building construction. Detailed assumptions and modeling data sheets are provided in Attachment 1, CalEEMod Results. Estimated maximum daily construction emissions are provided in Table 5, Estimated Maximum Daily Construction Emissions (pounds/day).

Table 5. Estimated Maximum Daily Construction Emissions (pounds/day)

Construction Phase	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Demolition	3.4	35.9	23.1	<0.1	7.3	2.4
Site Preparation	4	40.5	21.7	<0.1	21.8	12
Grading	4.3	46.4	31.5	0.1	8.7	5.2
Building Construction and Architectural Coating	70.6	23.5	30	<0.1	4.6	2
Paving	1.1	11.1	15	<0.1	0.7	0.5
<i>SDAPCD Threshold</i>	<i>75</i>	<i>250</i>	<i>550</i>	<i>250</i>	<i>100</i>	<i>55</i>
Significant?	No	No	No	No	No	No

Sources: CalEEMod, version 2020.4.0 (output data provided in Attachment 1); County of San Diego 2007; SDAPCD 2018.

Notes: CO = carbon monoxide; NO_x = oxides of nitrogen; PM₁₀ = particulate matter less than 10 microns in diameter; PM_{2.5} = particulate matter less than 2.5 microns in diameter; SO_x = sulfur oxides; VOC = volatile organic compound

As shown in Table 5, the construction emissions estimate indicates that development allowed under the EVSP would not result in significant air quality emissions during construction. These results reflect the assumption that equal amounts of development would occur each year. Realistically, construction emissions for all pollutants may be greater or lower depending on how development is implemented. It is assumed the future construction would include site watering twice per day in compliance with SDAPCD Rule 55, Fugitive Dust Rule, and low-VOC architectural coatings in compliance with SDAPCD Rule 67, Architectural Coatings, which would further reduce emissions.

Construction of future development consistent with the Project would not result in significant criteria pollutant emissions during construction, and impacts would be less than significant.

Operational Impact Analysis

Long-term air pollutant emissions impacts are those associated with stationary sources and mobile sources involving any project-related changes. Stationary sources of emissions include the use of architectural coatings, consumer products, landscape equipment, and energy use. Area sources of air pollutant emissions associated with future development under the EVSP include fuel combustion emissions from space and water heating, fuel combustion emissions from landscape maintenance equipment, VOC emissions from periodic repainting of interior and exterior surfaces, and natural gas use. Increased traffic volumes also contribute to regional emissions of criteria pollutants.

The total estimated operational emissions from implementation of the EVSP were calculated using CalEEMod (version 2020.4) using default assumptions for the land use mix. Residential dwelling units, total lot acreage, and land use square footages at EVSP buildout were obtained from the EVSP prepared by Rick Engineering (Rick Engineering 2022). CalEEMod default vehicle mileage and trips rate assumptions were adjusted for consistency with the total daily vehicle miles traveled (VMT) for buildout of the EVSP provided by Linscott, Law & Greenspan, Engineers (LLG 2023). The change in Citywide retail VMT attributable to the project is modeled for project retail buildout. The project-generated retail VMT was proportionately reduced to represent VMT from existing retail development. It is assumed that new residential units would generally not include hearths due to increased regulations restricting them in new development. Buildout conditions assume that only 10% of residences include hearths and the remaining 90% do not.

Table 6, Net Change in Project Operational Emissions, provides calculated operational emissions for EVSP buildout. Buildout emissions are compared to existing emissions to calculate the net change in maximum daily emissions.

Table 6. Net Change in Project Operational Emissions

Source	Air Pollutant Emissions (lbs/day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Area	266.8	16.1	511.3	0.1	3.6	3.6
Energy	2.1	18.2	9.6	0.1	1.4	1.4
Mobile	141.5	108.4	1,079.8	2.2	286.9	77.3
Total Daily Buildout Emissions	410.4	142.7	1,600.7	2.4	291.9	82.3
<i>Existing Emissions</i>	<i>1,050.9</i>	<i>114.7</i>	<i>1,944.1</i>	<i>3.7</i>	<i>327.5</i>	<i>201.6</i>
Net Change	-640.5	+28.0	-343.4	-1.3	-35.6	-119.3
<i>SDAPCD Thresholds</i>	<i>75</i>	<i>250</i>	<i>550</i>	<i>250</i>	<i>100</i>	<i>55</i>
Significant?	No	No	No	No	No	No

Source: CalEEMod version 2020.4.0. See Attachment 1 for model output.

Notes: CO = carbon monoxide; NO_x = nitrogen oxides; PM_{2.5} = particulate matter measuring no more than 2.5 microns in diameter; PM₁₀ = particulate matter measuring no more than 10 microns in diameter; SDAPCD = San Diego Air Pollution Control District; SO_x = sulfur oxides; VOC = volatile organic compound

As shown in Table 6, operational emissions assumptions for buildout of the EVSP would not exceed the SDAPCD thresholds for any pollutant, primarily due to the replacement of older residences with new development that does not include natural gas hearths. Future development would be required to demonstrate consistency with the Escondido CAP (City of Escondido 2021), which includes reduction measures for VMT and energy use that would result in lower criteria pollutant emissions. Additionally, individual development projects would continue to be required to show consistency with the Escondido EQRs. Development under the Project would not contribute to existing significant cumulative impacts related to criteria pollutant emissions. Project impacts would be less than significant.

Summary

Construction and buildout operation of the EVSP is not anticipated to exceed the SDAPCD significance thresholds for daily criteria pollutant emissions. Future development under the Project would continue to be required to comply with the California Air Resources Board motor vehicle standards, the SDAPCD regulations from stationary sources and architectural coatings, and the Escondido General Plan goals and policies and demonstrate Escondido CAP consistency. The Project's contribution to the regional air quality impacts would be less than significant.

References

CAPCOA (California Air Pollution Control Officers Association). 2020. California Emissions Estimator Model. Version 2020.4.0.

- CARB (California Air Resources Board). 2023a. “Inhalable Particulate Matter and Health (PM_{2.5} and PM₁₀).” Accessed March 2023. <https://ww2.arb.ca.gov/resources/inhalable-particulate-matter-and-health>.
- CARB. 2023b. “Top 4 Summary.” iADAM Air Quality Data Statistics. Accessed March 2023. <https://www.arb.ca.gov/adam/topfour/topfour1.php>.
- City of Escondido. 2012a. Escondido General Plan. Adopted May 23. Accessed March 2023. <https://www.escondido.org/general-plan.aspx>.
- City of Escondido. 2012b. Environmental Impact Report for the Escondido General Plan Update, Downtown Specific Plan Update, and Climate Action Plan. Final. Vol. 1. PHG 09-0020, PHG 10-0016, SCH No. 2010071064. Prepared by Atkins. April 23. Accessed March 2023. <https://www.escondido.org/Volume-I-Draft-EIR.aspx>.
- City of Escondido. 2021. City of Escondido Climate Action Plan.
- County of San Diego. 2007. Guidelines for Determining Significance and Report Format and Content Requirements: Air Quality. Department of Planning and Land Use, Department of Public Works, Land Use and Environment Group. March 19.
- LLG (Linscott, Law & Greenspan, Engineers). 2023. Transportation Analysis for the East Valley Specific Plan.
- Rick Engineering. 2022. East Valley Specific Plan.
- SDPACD (San Diego Air Pollution Control District). 2017. Annual Network Plan 2013. Submitted for U.S. Environmental Protection Agency review June 30.
- SDAPCD. 2018. “Rule 20.2: New Source Review – Non-Major Stationary Sources.” In Regulation II, Permits. Revision adopted April 27, 2016, effective November 5. Accessed March 2023. https://www.sdapcd.org/content/dam/sdc/apcd/PDF/Rules_and_Regulations/Permits/APCD_20.2-2016.pdf.
- SDAPCD. 2023. “Attainment Status.” Accessed March 2023. <https://www.sdapcd.org/content/sdapcd/planning/attainment-status.html>.
- USEPA (U.S. Environmental Protection Agency). 2005. Proposed Rule to Implement the Fine Particle National Ambient Air Quality Standards. Accessed March 2023. <https://www3.epa.gov/pmdesignations/1997standards/documents/Sep05/factsheet.htm>.
- USEPA. 2022a. “Basic Information about Carbon Monoxide (CO) Outdoor Pollution.” Last updated August 2. Accessed March 2023. <https://www.epa.gov/co-pollution/basic-information-about-carbon-monoxide-co-outdoor-air-pollution#What%20is%20CO>.
- USEPA. 2022b. “Nitrogen Dioxide (NO₂) Pollution.” Last updated June 28. Accessed March 2023. <https://www.epa.gov/no2-pollution>.
- USEPA. 2022c. “What Is SO₂ and How Does It Get in the Air?” Last updated March 9. Accessed March 2023. <https://www.epa.gov/so2-pollution/sulfur-dioxide-basics#what%20is%20so2>.
- USEPA. 2023. “How Does Ground-Level Ozone Form?” Last updated June 14. Accessed March 2023. <https://www.epa.gov/ground-level-ozone-pollution/ground-level-ozone-basics#formation>.

This page intentionally left blank.

Attachment 1. CalEEMod Results

This page intentionally left blank.