

Appendix E. Greenhouse Gas Emissions Technical Memorandum

This page intentionally left blank.

GHG EMISSIONS TECHNICAL MEMORANDUM

To: Adam Finestone, City Planner, City of Escondido
From: Sharon Toland, Senior Technical Specialist, and Kelsey Hawkins, Air Quality and Greenhouse Gas Analyst/
Project Manager, Harris & Associates
RE: Greenhouse Gas Emissions 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 greenhouse gas (GHG) emissions from implementation of the East Valley Specific Plan (EVSP or Project) in the City of Escondido (City). Buildout of the EVSP Area (i.e., the 191-acre area in the City covered by the EVSP) was previously evaluated in the certified 2012 General Plan Update, Downtown Specific Plan Update, and Climate Action Plan (CAP) Program Environmental Impact Report (PEIR) (City of Escondido 2012). Although 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 CAP PEIR. Therefore, this analysis focuses on the land use and zoning changes in the EVSP.

The EVSP Area 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; 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 there are multiple transit stops throughout.

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.

GHG Analysis Background

A GHG is any gas that absorbs infrared radiation and traps heat in the atmosphere. GHGs are produced from natural processes and human activities. The accumulation of GHGs in the atmosphere influences the long-term atmospheric temperatures and contributes to global climate change. Carbon dioxide (CO₂) accounts for the largest amount of GHG emissions, and collectively, CO₂, methane (CH₄), and nitrous oxide (N₂O) amount to 80% of the total radiative forcing from well-mixed GHGs (CARB 2014).

For each GHG, a global warming potential has been calculated to reflect how long emissions remain in the atmosphere and how strongly each GHG absorbs energy on a per-kilogram basis relative to CO₂. For example, one pound of CH₄ has 25 times more heat-capturing potential than one pound of CO₂. To simplify reporting and analysis, GHG emissions are typically reported in metric tons of carbon dioxide equivalent (MT CO₂e) units. Global warming potential is a metric that indicates the relative climate forcing of a kilogram of emissions when averaged over the period of interest. Table 1, Global Warming Potential for Select Greenhouse Gases, identifies the CO₂ equivalent and atmospheric lifetimes of basic GHGs.

Table 1. Global Warming Potential for Select Greenhouse Gases

Pollutant	Atmospheric Lifetime (years)	Global Warming Potential (100-year) ²
CH ₄	12	28
CO ₂	~100 ¹	1
N ₂ O	121	265

Source: CAPCOA 2020. Consistent with CalEEMod, Version 2020.4.0.

Notes: CH₄ = methane; CO₂ = carbon dioxide; N₂O = nitrous oxide

¹ CO₂ has a variable atmospheric lifetime and cannot be readily approximated as a single number.

² The warming effects over a 100-year period relative to other GHGs.

Regulatory Setting

Federal

The U.S. Environmental Protection Agency is responsible for implementing federal policy to address global climate change. In 2009, the U.S. Environmental Protection Agency issued a final rule for mandatory reporting of GHG emissions, which applies to fossil fuel and industrial gas suppliers, direct GHG emitters, and manufacturers of heavy-duty and off-road vehicles and requires annual reporting of emissions. This final rule does not regulate the emissions of GHGs; it only requires the monitoring and reporting of GHGs for the specified sources above certain thresholds.

State

California has enacted a variety of legislation relating to climate change, much of which has set aggressive goals for GHG emissions reductions throughout the state. Executive Order S-03-05 (2005) established the goal of reducing GHG emissions to 2000 levels by 2010, 1990 levels by 2020, and 80% below 1990 levels by 2050. In September 2006, Governor Arnold Schwarzenegger signed California's Global Warming Solutions Act of 2006 (Assembly Bill 32), requiring the California Air Resources Board to establish a statewide GHG emissions cap for 2020 based on 1990 emissions and to adopt mandatory reporting rules for significant sources of GHG emissions. In April 2015, Governor Jerry Brown signed Executive Order B-30-15, which established the goal of reducing GHG emissions to 40% below 1990 levels by 2030. This goal was set into law in Senate Bill 32. AB 1279, the California Climate Crisis Act, enacted in September 2022, updates the goals of AB 32. The bill established a statewide goal to achieve net-zero GHG emissions by 2045 and to achieve and maintain net-negative GHG emissions thereafter. Additionally, the bill established a specific target for statewide anthropogenic GHG emissions to be reduced to at least 85% below the 1990 levels by 2045.

Local

The City adopted an updated CAP in March 2021 (City of Escondido 2021). The Escondido CAP provides an update to the inventories, projections, and GHG reduction measures identified in the 2013 Escondido CAP. The Escondido CAP establishes an implementation plan for the City to achieve target Citywide GHG reductions of 4% below 2012 levels by 2020, 42% below 2012 levels by 2030, and 52% below 2012 levels by 2035. The Escondido CAP states that the City will meet its 2020 emissions reduction target from the 2012 baseline under business-as-usual conditions based on existing activities and trends. However, to meet the City's 2030 and 2035 reduction targets, additional actions beyond those implemented at the state and federal level are required. To meet the City's 2030 and 2035 targets, the Escondido CAP identifies strategies and measures to reduce Citywide GHG emissions from a variety of emissions categories. These categories include increased alternative transportation, reduced vehicle miles traveled (VMT), increased energy and water efficiency, increased renewable energy generation, reduced solid waste disposal, and increased carbon sequestration and land conservation.

Significance Thresholds

The Escondido CAP is a qualified GHG emissions reduction plan in accordance with the California Environmental Quality Act (CEQA) Guidelines section 15183.5. Pursuant to CEQA Guidelines sections 15064(h)(3), 15130(d), and 15183(b), a project's incremental contribution to a cumulative GHG emissions effect may be determined not to be cumulatively considerable if it complies with the requirements of a CAP. Projects that are consistent with a General Plan and implement applicable CAP GHG reduction measures may incorporate by reference a CAP's cumulative GHG analysis. Conversely, projects that are consistent with a General Plan but do not implement CAP GHG reduction measures, as well as General Plan Amendments and annexations that increase emissions beyond CAP projections, require a project-level GHG analysis to determine if the project results in significant GHG emissions. Because the Escondido CAP is an adopted, qualified GHG reduction plan, consistency with the CAP is the applicable threshold for the proposed project.

Project Emissions Inventory

Construction

Project construction emissions were estimated using the California Emissions Estimator Model (CalEEMod), version 2020.4.0. The project is a land use plan; it does not propose any specific construction projects, and the details of future construction under the project are currently unknown. Therefore, annual construction emissions were estimated using assumptions consistent with the certified 2012 General Plan Update, Downtown Specific Plan Update, and CAP PEIR (City of Escondido 2012). It was assumed that an equal amount of development will occur each year between the 2020 baseline and 2035 buildout year and that approximately 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. Detailed assumptions and modeling datasheets are provided in Attachment 1, CalEEMod Results. Estimated annual construction emissions are provided in Table 2, Estimated Project Related GHG Emissions.

Operation

During operation, buildout under the EVSP will result in area and indirect emissions sources from electricity and natural gas consumption, water and wastewater transport, and solid waste generation. GHG emissions from electricity consumed on site by the project will be generated off site by fuel combustion at the electricity provider. GHG emissions from water and wastewater transport are also indirect emissions resulting from the energy required to transport water from its source, and the energy required to treat wastewater and transport it to its treated discharge point. Development will also generate mobile source emissions from motor vehicle trips. The project does

not propose any specific future development projects. The various operational GHG emissions associated with the land uses accommodated by the project are shown in Table 2. Estimated GHG emissions from the existing land use mix in the EVSP are also provided to show the estimated net increase in emissions from existing conditions. Annual operational emissions from existing and buildout conditions are based on CalEEMod default utility usage for the existing and proposed land use types, and VMT data from the project traffic analysis (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.

Table 2. Estimated Project Related GHG Emissions

Emissions Source	Emissions (MT CO ₂ e)
Annual Construction Emissions	
Demolition	51
Site Preparation	18
Grading	84
Building Construction	572
Paving	21
Architectural Coating	68
Total	814
Operation Emissions	
Area	565
Electricity	11,877
Natural Gas	3,811
Mobile	35,690
Waste	4,466
Water	3,662
Total Annual Operation Emissions	60,071
<i>Total Annual Existing Emissions</i>	<i>38,727</i>
Net Increase in GHG Emissions from EVSP Buildout	21,344

Source: CalEEMod, Version 2020.4.0 (output data provided in Attachment 1).

Notes: EVSP = East Valley Specific Plan; GHG = greenhouse gas; MT CO₂e = metric tons of carbon dioxide equivalent

Impact Analysis

As shown in Table 2, buildout of the land uses accommodated by the EVSP will result in a net increase in GHG emissions compared to existing conditions. However, development in the EVSP Area was assumed in the Escondido General Plan. As a designated Opportunity Area, the EVSP Area was identified in the Escondido General Plan Land Use and Community Form Element as an area to promote development (and redevelopment), enhance job growth, and increase housing options to accommodate the City’s share of projected regional growth, which also provides the basis for growth forecasts in the Escondido CAP. As stated in the Escondido General Plan Land Use and Community Form Element, “area plans,” in concert with zoning, define and guide future development in the target areas. The EVSP provides the necessary area plan and zoning changes to specifically implement the Escondido General Plan vision for the East Valley Target Area. The vision for the Escondido General Plan Land Use and Community Form Element includes increased mixed-use development, improved recreational spaces, and implementation of smart growth principles. Specific land use designations include Office, General Commercial, and Mixed-Use Overlay that will accommodate a minimum of 30 units per acre. Consistent with this vision, the EVSP designates the EVSP Area for General Commercial, Mixed-Use, Open Space, and Urban Residential development. The EVSP does not increase the planned overall development capacity of the City. Therefore, the EVSP is consistent with the Escondido General Plan.

The project is a land use plan and does not propose specific development projects. The EVSP includes sustainability goals specific to future development (Sustainable and Equitable Development Goal 1, Site and Building Design Goal 2, and Mobility Goals 1–3) that include access to clean energy and increased green spaces and encourage multimodal transportation. Individual future projects would be required to demonstrate consistency with the Escondido CAP as part of the project approval process. Consistency with the Escondido CAP is demonstrated at the project level through completion of the CAP Consistency Checklist. The checklist evaluates if a project adequately implements GHG reduction measures from the Escondido CAP and determines if development demonstrates consistency with the Escondido CAP’s assumptions for implementation. Projects that are consistent with the Escondido CAP, as determined through the use of the CAP Consistency Checklist, may rely on the Escondido CAP for the cumulative impact analysis of GHG emissions. Projects that are not consistent with the Escondido CAP must prepare a comprehensive project-specific analysis of GHG emissions, including quantification of existing and projected GHG emissions, incorporation of the measures in the Consistency Checklist to the extent applicable, and demonstration of consistency with an applicable VMT threshold.

Therefore, because the project is consistent with the growth assumptions in the Escondido General Plan and does not increase the planned development capacity of the City, and because the City has adopted a qualified CAP with consistency requirements in place for future development under the project, implementation of the project would not result in significant GHG emissions. Additionally, the Escondido CAP demonstrates how the City achieves its fair share of emissions reductions to meet statewide emissions reduction targets. Through consistency with the Escondido CAP, the project will also be consistent with statewide reduction goals established in Assembly Bill 32 and Senate Bill 32.

Summary

Implementation of the project would have the potential to result in a net increase in GHG emissions. However, the City has an adopted, qualified CAP in place to achieve the City’s GHG emissions reduction targets. The Escondido CAP includes a required Consistency Checklist for future development to demonstrate consistency with the CAP. The project is consistent the growth assumptions of the Escondido CAP, and future development would be required to demonstrate consistency with the CAP. Therefore, implementation of the project would not result in significant GHG emissions, and no mitigation measures are necessary.

References

- CAPCOA (California Air Pollution Control Officers Association). 2020. California Emissions Estimator Model. Version 2020.4.0.
- CARB (California Air Resources Board). 2014. First Update to the Climate Change Scoping Plan: Building on the Framework Pursuant to AB 32, the California Global Warming Solutions Act of 2006. May.
- City of Escondido. 2012. 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.
- LLG (Linscott, Law & Greenspan, Engineers). 2023. Transportation Analysis for the East Valley Specific Plan.

This page intentionally left blank.

Attachment 1. CalEEMod Results

This page intentionally left blank.

Escondido EVSP_Existing - San Diego Air Basin, Annual

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, Annual**

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, Annual

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, Annual

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, Annual

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

Unmitigated Construction

Escondido EVSP_Existing - San Diego Air Basin, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.4909	4.9745	2.9433	5.2000e-003	0.6629	0.2525	0.9154	0.3176	0.2341	0.5517	0.0000	465.1287	465.1287	0.1299	5.0000e-004	468.5235
2020	0.5804	6.3532	3.9517	7.6100e-003	1.7533	0.2856	2.0389	0.6980	0.2628	0.9607	0.0000	669.4450	669.4450	0.2114	5.7000e-004	674.8998
2021	0.6216	5.3483	4.8987	0.0142	1.4139	0.2062	1.6202	0.3926	0.1921	0.5847	0.0000	1,303.3344	1,303.3344	0.1644	0.0766	1,330.2677
2022	0.5740	4.1613	5.0959	0.0178	0.9962	0.1299	1.1261	0.2701	0.1225	0.3925	0.0000	1,656.7671	1,656.7671	0.1141	0.1244	1,696.7025
2023	0.5030	3.6064	4.8299	0.0173	0.9962	0.1043	1.1005	0.2701	0.0982	0.3683	0.0000	1,609.4753	1,609.4753	0.1109	0.1189	1,647.6785
2024	0.4764	3.4820	4.7005	0.0171	1.0039	0.0937	1.0975	0.2722	0.0882	0.3603	0.0000	1,589.6258	1,589.6258	0.1102	0.1169	1,627.2152
2025	0.4457	3.3110	4.5352	0.0166	1.0000	0.0819	1.0819	0.2711	0.0771	0.3482	0.0000	1,550.4654	1,550.4654	0.1085	0.1135	1,587.0020
2026	0.4321	3.2818	4.4197	0.0163	1.0000	0.0816	1.0817	0.2711	0.0769	0.3480	0.0000	1,519.7596	1,519.7596	0.1078	0.1108	1,555.4621
2027	0.4195	3.2546	4.3202	0.0160	1.0000	0.0814	1.0814	0.2711	0.0766	0.3477	0.0000	1,489.9625	1,489.9625	0.1072	0.1081	1,524.8426
2028	0.4061	3.2197	4.2211	0.0156	0.9962	0.0807	1.0769	0.2701	0.0760	0.3461	0.0000	1,456.9523	1,456.9523	0.1064	0.1051	1,490.9384
2029	0.3961	3.2079	4.1635	0.0154	1.0000	0.0808	1.0808	0.2711	0.0760	0.3472	0.0000	1,436.5702	1,436.5702	0.1064	0.1031	1,469.9455
2030	0.3772	2.5979	4.1092	0.0157	1.0000	0.0310	1.0310	0.2711	0.0304	0.3015	0.0000	1,453.9291	1,453.9291	0.0488	0.1009	1,485.2222
2031	0.3662	2.5848	4.0529	0.0155	1.0000	0.0307	1.0308	0.2711	0.0301	0.3013	0.0000	1,433.7243	1,433.7243	0.0484	0.0991	1,464.4634
2032	0.3576	2.5842	4.0200	0.0153	1.0039	0.0306	1.0345	0.2722	0.0301	0.3022	0.0000	1,421.3816	1,421.3816	0.0483	0.0979	1,451.7592
2033	0.2306	1.4033	2.6317	7.0500e-003	0.3023	0.0393	0.3416	0.0819	0.0391	0.1210	0.0000	636.1922	636.1922	0.0245	0.0282	645.1924
2034	27.0423	0.2355	0.7064	1.6900e-003	0.1310	8.5500e-003	0.1395	0.0348	8.5200e-003	0.0433	0.0000	150.1459	150.1459	4.4800e-003	1.8100e-003	150.7983
Maximum	27.0423	6.3532	5.0959	0.0178	1.7533	0.2856	2.0389	0.6980	0.2628	0.9607	0.0000	1,656.7671	1,656.7671	0.2114	0.1244	1,696.7025

2.1 Overall Construction

Escondido EVSP_Existing - San Diego Air Basin, Annual

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	tons/yr										MT/yr					
2019	0.4909	4.9745	2.9433	5.2000e-003	0.6629	0.2525	0.9154	0.3176	0.2341	0.5517	0.0000	465.1281	465.1281	0.1299	5.0000e-004	468.5230
2020	0.5804	6.3532	3.9517	7.6100e-003	1.7533	0.2856	2.0389	0.6980	0.2628	0.9607	0.0000	669.4442	669.4442	0.2114	5.7000e-004	674.8990
2021	0.6216	5.3483	4.8987	0.0142	1.4139	0.2062	1.6202	0.3926	0.1921	0.5847	0.0000	1,303.3338	1,303.3338	0.1644	0.0766	1,330.2671
2022	0.5740	4.1613	5.0959	0.0178	0.9962	0.1299	1.1261	0.2701	0.1225	0.3925	0.0000	1,656.7667	1,656.7667	0.1141	0.1244	1,696.7022
2023	0.5030	3.6064	4.8299	0.0173	0.9962	0.1043	1.1005	0.2701	0.0982	0.3683	0.0000	1,609.4749	1,609.4749	0.1109	0.1189	1,647.6781
2024	0.4764	3.4820	4.7005	0.0171	1.0039	0.0937	1.0975	0.2722	0.0882	0.3603	0.0000	1,589.6254	1,589.6254	0.1102	0.1169	1,627.2149
2025	0.4457	3.3110	4.5352	0.0166	1.0000	0.0819	1.0819	0.2711	0.0771	0.3482	0.0000	1,550.4650	1,550.4650	0.1085	0.1135	1,587.0016
2026	0.4321	3.2818	4.4197	0.0163	1.0000	0.0816	1.0817	0.2711	0.0769	0.3480	0.0000	1,519.7592	1,519.7592	0.1078	0.1108	1,555.4617
2027	0.4195	3.2546	4.3202	0.0160	1.0000	0.0814	1.0814	0.2711	0.0766	0.3477	0.0000	1,489.9622	1,489.9622	0.1072	0.1081	1,524.8423
2028	0.4061	3.2197	4.2211	0.0156	0.9962	0.0807	1.0769	0.2701	0.0760	0.3461	0.0000	1,456.9520	1,456.9520	0.1064	0.1051	1,490.9381
2029	0.3961	3.2079	4.1635	0.0154	1.0000	0.0808	1.0808	0.2711	0.0760	0.3472	0.0000	1,436.5698	1,436.5698	0.1064	0.1031	1,469.9451
2030	0.3772	2.5979	4.1092	0.0157	1.0000	0.0310	1.0310	0.2711	0.0304	0.3015	0.0000	1,453.9287	1,453.9287	0.0488	0.1009	1,485.2218
2031	0.3662	2.5848	4.0528	0.0155	1.0000	0.0307	1.0308	0.2711	0.0301	0.3013	0.0000	1,433.7239	1,433.7239	0.0484	0.0991	1,464.4630
2032	0.3576	2.5842	4.0200	0.0153	1.0039	0.0306	1.0345	0.2722	0.0301	0.3022	0.0000	1,421.3811	1,421.3811	0.0483	0.0979	1,451.7588
2033	0.2306	1.4033	2.6317	7.0500e-003	0.3023	0.0393	0.3416	0.0819	0.0391	0.1210	0.0000	636.1918	636.1918	0.0245	0.0282	645.1920
2034	27.0423	0.2355	0.7064	1.6900e-003	0.1310	8.5500e-003	0.1395	0.0348	8.5200e-003	0.0433	0.0000	150.1458	150.1458	4.4800e-003	1.8100e-003	150.7982
Maximum	27.0423	6.3532	5.0959	0.0178	1.7533	0.2856	2.0389	0.6980	0.2628	0.9607	0.0000	1,656.7667	1,656.7667	0.2114	0.1244	1,696.7022

Escondido EVSP_Existing - San Diego Air Basin, Annual

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

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2019	3-31-2019	1.2665	1.2665
2	4-1-2019	6-30-2019	1.2802	1.2802
3	7-1-2019	9-30-2019	1.2943	1.2943
4	10-1-2019	12-31-2019	1.6174	1.6174
5	1-1-2020	3-31-2020	1.5381	1.5381
6	4-1-2020	6-30-2020	1.7798	1.7798
7	7-1-2020	9-30-2020	1.7994	1.7994
8	10-1-2020	12-31-2020	1.7997	1.7997
9	1-1-2021	3-31-2021	1.6298	1.6298
10	4-1-2021	6-30-2021	1.5498	1.5498
11	7-1-2021	9-30-2021	1.3657	1.3657
12	10-1-2021	12-31-2021	1.3984	1.3984
13	1-1-2022	3-31-2022	1.1794	1.1794
14	4-1-2022	6-30-2022	1.1638	1.1638
15	7-1-2022	9-30-2022	1.1766	1.1766
16	10-1-2022	12-31-2022	1.2056	1.2056
17	1-1-2023	3-31-2023	1.0253	1.0253
18	4-1-2023	6-30-2023	1.0107	1.0107
19	7-1-2023	9-30-2023	1.0218	1.0218
20	10-1-2023	12-31-2023	1.0481	1.0481
21	1-1-2024	3-31-2024	0.9911	0.9911
22	4-1-2024	6-30-2024	0.9658	0.9658
23	7-1-2024	9-30-2024	0.9764	0.9764

Escondido EVSP_Existing - San Diego Air Basin, Annual

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

24	10-1-2024	12-31-2024	1.0020	1.0020
25	1-1-2025	3-31-2025	0.9339	0.9339
26	4-1-2025	6-30-2025	0.9198	0.9198
27	7-1-2025	9-30-2025	0.9299	0.9299
28	10-1-2025	12-31-2025	0.9547	0.9547
29	1-1-2026	3-31-2026	0.9231	0.9231
30	4-1-2026	6-30-2026	0.9095	0.9095
31	7-1-2026	9-30-2026	0.9195	0.9195
32	10-1-2026	12-31-2026	0.9437	0.9437
33	1-1-2027	3-31-2027	0.9131	0.9131
34	4-1-2027	6-30-2027	0.8999	0.8999
35	7-1-2027	9-30-2027	0.9098	0.9098
36	10-1-2027	12-31-2027	0.9334	0.9334
37	1-1-2028	3-31-2028	0.9145	0.9145
38	4-1-2028	6-30-2028	0.8916	0.8916
39	7-1-2028	9-30-2028	0.9014	0.9014
40	10-1-2028	12-31-2028	0.9245	0.9245
41	1-1-2029	3-31-2029	0.8954	0.8954
42	4-1-2029	6-30-2029	0.8830	0.8830
43	7-1-2029	9-30-2029	0.8927	0.8927
44	10-1-2029	12-31-2029	0.9153	0.9153
45	1-1-2030	3-31-2030	0.7402	0.7402
46	4-1-2030	6-30-2030	0.7266	0.7266
47	7-1-2030	9-30-2030	0.7346	0.7346
48	10-1-2030	12-31-2030	0.7567	0.7567
49	1-1-2031	3-31-2031	0.7340	0.7340
50	4-1-2031	6-30-2031	0.7208	0.7208
51	7-1-2031	9-30-2031	0.7287	0.7287
52	10-1-2031	12-31-2031	0.7503	0.7503

Escondido EVSP_Existing - San Diego Air Basin, Annual

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

53	1-1-2032	3-31-2032	0.7369	0.7369
54	4-1-2032	6-30-2032	0.7158	0.7158
55	7-1-2032	9-30-2032	0.7237	0.7237
56	10-1-2032	12-31-2032	0.7450	0.7450
57	1-1-2033	3-31-2033	0.7242	0.7242
58	4-1-2033	6-30-2033	0.3634	0.3634
59	7-1-2033	9-30-2033	0.2806	0.2806
60	10-1-2033	12-31-2033	0.2807	0.2807
61	1-1-2034	3-31-2034	3.5905	3.5905
62	4-1-2034	6-30-2034	8.0136	8.0136
63	7-1-2034	9-30-2034	8.1017	8.1017
		Highest	8.1017	8.1017

Escondido EVSP_Existing - San Diego Air Basin, Annual

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	tons/yr										MT/yr					
Area	47.3025	0.7617	49.3242	0.0818		6.3334	6.3334		6.3334	6.3334	600.1484	258.7630	858.9114	0.5607	0.0472	886.9953
Energy	0.1255	1.1144	0.7628	6.8500e-003		0.0867	0.0867		0.0867	0.0867	0.0000	5,953.9785	5,953.9785	0.3118	0.0577	5,978.9604
Mobile	17.4259	17.6959	147.1165	0.2886	30.4748	0.2316	30.7064	8.1334	0.2159	8.3493	0.0000	26,675.2572	26,675.2572	2.1414	1.3225	27,122.8900
Waste						0.0000	0.0000		0.0000	0.0000	1,526.3743	0.0000	1,526.3743	90.2061	0.0000	3,781.5277
Water						0.0000	0.0000		0.0000	0.0000	52.8921	727.0191	779.9112	5.4770	0.1337	956.6654
Total	64.8539	19.5721	197.2035	0.3772	30.4748	6.6517	37.1266	8.1334	6.6360	14.7694	2,179.4148	33,615.0178	35,794.4325	98.6969	1.5610	38,727.0389

Escondido EVSP_Existing - San Diego Air Basin, Annual

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	47.3025	0.7617	49.3242	0.0818		6.3334	6.3334		6.3334	6.3334	600.1484	258.7630	858.9114	0.5607	0.0472	886.9953
Energy	0.1255	1.1144	0.7628	6.8500e-003		0.0867	0.0867		0.0867	0.0867	0.0000	5,953.9785	5,953.9785	0.3118	0.0577	5,978.9604
Mobile	17.4259	17.6959	147.1165	0.2886	30.4748	0.2316	30.7064	8.1334	0.2159	8.3493	0.0000	26,675.2572	26,675.2572	2.1414	1.3225	27,122.8900
Waste						0.0000	0.0000		0.0000	0.0000	1,526.3743	0.0000	1,526.3743	90.2061	0.0000	3,781.5277
Water						0.0000	0.0000		0.0000	0.0000	52.8921	727.0191	779.9112	5.4770	0.1337	956.6654
Total	64.8539	19.5721	197.2035	0.3772	30.4748	6.6517	37.1266	8.1334	6.6360	14.7694	2,179.4148	33,615.0178	35,794.4325	98.6969	1.5610	38,727.0389

	ROG	NOx	CO	SO2	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	

Escondido EVSP_Existing - San Diego Air Basin, Annual

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

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
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

Escondido EVSP_Existing - San Diego Air Basin, Annual

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

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

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	tons/yr										MT/yr					
Off-Road	0.3513	3.5783	2.2060	3.8800e-003		0.1795	0.1795		0.1670	0.1670	0.0000	346.2633	346.2633	0.0963	0.0000	348.6715
Total	0.3513	3.5783	2.2060	3.8800e-003		0.1795	0.1795		0.1670	0.1670	0.0000	346.2633	346.2633	0.0963	0.0000	348.6715

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.3600e-003	4.5400e-003	0.0471	1.2000e-004	0.0120	8.0000e-005	0.0121	3.2000e-003	7.0000e-005	3.2700e-003	0.0000	10.7254	10.7254	4.2000e-004	3.6000e-004	10.8443
Total	5.3600e-003	4.5400e-003	0.0471	1.2000e-004	0.0120	8.0000e-005	0.0121	3.2000e-003	7.0000e-005	3.2700e-003	0.0000	10.7254	10.7254	4.2000e-004	3.6000e-004	10.8443

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3513	3.5783	2.2060	3.8800e-003		0.1795	0.1795		0.1670	0.1670	0.0000	346.2629	346.2629	0.0963	0.0000	348.6711
Total	0.3513	3.5783	2.2060	3.8800e-003		0.1795	0.1795		0.1670	0.1670	0.0000	346.2629	346.2629	0.0963	0.0000	348.6711

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.3600e-003	4.5400e-003	0.0471	1.2000e-004	0.0120	8.0000e-005	0.0121	3.2000e-003	7.0000e-005	3.2700e-003	0.0000	10.7254	10.7254	4.2000e-004	3.6000e-004	10.8443
Total	5.3600e-003	4.5400e-003	0.0471	1.2000e-004	0.0120	8.0000e-005	0.0121	3.2000e-003	7.0000e-005	3.2700e-003	0.0000	10.7254	10.7254	4.2000e-004	3.6000e-004	10.8443

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	tons/yr										MT/yr					
Fugitive Dust					0.6465	0.0000	0.6465	0.3132	0.0000	0.3132	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1322	1.3900	0.6729	1.1600e-003		0.0729	0.0729		0.0671	0.0671	0.0000	104.2145	104.2145	0.0330	0.0000	105.0388
Total	0.1322	1.3900	0.6729	1.1600e-003	0.6465	0.0729	0.7194	0.3132	0.0671	0.3803	0.0000	104.2145	104.2145	0.0330	0.0000	105.0388

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9600e-003	1.6600e-003	0.0172	4.0000e-005	4.4000e-003	3.0000e-005	4.4300e-003	1.1700e-003	3.0000e-005	1.2000e-003	0.0000	3.9255	3.9255	1.5000e-004	1.3000e-004	3.9690
Total	1.9600e-003	1.6600e-003	0.0172	4.0000e-005	4.4000e-003	3.0000e-005	4.4300e-003	1.1700e-003	3.0000e-005	1.2000e-003	0.0000	3.9255	3.9255	1.5000e-004	1.3000e-004	3.9690

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.6465	0.0000	0.6465	0.3132	0.0000	0.3132	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1322	1.3900	0.6729	1.1600e-003		0.0729	0.0729		0.0671	0.0671	0.0000	104.2144	104.2144	0.0330	0.0000	105.0387
Total	0.1322	1.3900	0.6729	1.1600e-003	0.6465	0.0729	0.7194	0.3132	0.0671	0.3803	0.0000	104.2144	104.2144	0.0330	0.0000	105.0387

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9600e-003	1.6600e-003	0.0172	4.0000e-005	4.4000e-003	3.0000e-005	4.4300e-003	1.1700e-003	3.0000e-005	1.2000e-003	0.0000	3.9255	3.9255	1.5000e-004	1.3000e-004	3.9690
Total	1.9600e-003	1.6600e-003	0.0172	4.0000e-005	4.4000e-003	3.0000e-005	4.4300e-003	1.1700e-003	3.0000e-005	1.2000e-003	0.0000	3.9255	3.9255	1.5000e-004	1.3000e-004	3.9690

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	tons/yr										MT/yr					
Fugitive Dust					0.6284	0.0000	0.6284	0.3033	0.0000	0.3033	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1203	1.2513	0.6347	1.1200e-003		0.0648	0.0648		0.0596	0.0596	0.0000	98.6205	98.6205	0.0319	0.0000	99.4179
Total	0.1203	1.2513	0.6347	1.1200e-003	0.6284	0.0648	0.6932	0.3033	0.0596	0.3629	0.0000	98.6205	98.6205	0.0319	0.0000	99.4179

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7600e-003	1.4100e-003	0.0152	4.0000e-005	4.2600e-003	3.0000e-005	4.2900e-003	1.1300e-003	3.0000e-005	1.1600e-003	0.0000	3.6925	3.6925	1.3000e-004	1.2000e-004	3.7311
Total	1.7600e-003	1.4100e-003	0.0152	4.0000e-005	4.2600e-003	3.0000e-005	4.2900e-003	1.1300e-003	3.0000e-005	1.1600e-003	0.0000	3.6925	3.6925	1.3000e-004	1.2000e-004	3.7311

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.6284	0.0000	0.6284	0.3033	0.0000	0.3033	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1203	1.2513	0.6347	1.1200e-003		0.0648	0.0648		0.0596	0.0596	0.0000	98.6204	98.6204	0.0319	0.0000	99.4178
Total	0.1203	1.2513	0.6347	1.1200e-003	0.6284	0.0648	0.6932	0.3033	0.0596	0.3629	0.0000	98.6204	98.6204	0.0319	0.0000	99.4178

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7600e-003	1.4100e-003	0.0152	4.0000e-005	4.2600e-003	3.0000e-005	4.2900e-003	1.1300e-003	3.0000e-005	1.1600e-003	0.0000	3.6925	3.6925	1.3000e-004	1.2000e-004	3.7311
Total	1.7600e-003	1.4100e-003	0.0152	4.0000e-005	4.2600e-003	3.0000e-005	4.2900e-003	1.1300e-003	3.0000e-005	1.1600e-003	0.0000	3.6925	3.6925	1.3000e-004	1.2000e-004	3.7311

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	tons/yr										MT/yr					
Fugitive Dust					1.1044	0.0000	1.1044	0.3892	0.0000	0.3892	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4517	5.0951	3.2438	6.2900e-003		0.2207	0.2207		0.2030	0.2030	0.0000	553.0156	553.0156	0.1789	0.0000	557.4870
Total	0.4517	5.0951	3.2438	6.2900e-003	1.1044	0.2207	1.3250	0.3892	0.2030	0.5922	0.0000	553.0156	553.0156	0.1789	0.0000	557.4870

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.7200e-003	5.4000e-003	0.0581	1.5000e-004	0.0163	1.0000e-004	0.0164	4.3300e-003	1.0000e-004	4.4200e-003	0.0000	14.1164	14.1164	5.1000e-004	4.5000e-004	14.2638
Total	6.7200e-003	5.4000e-003	0.0581	1.5000e-004	0.0163	1.0000e-004	0.0164	4.3300e-003	1.0000e-004	4.4200e-003	0.0000	14.1164	14.1164	5.1000e-004	4.5000e-004	14.2638

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.1044	0.0000	1.1044	0.3892	0.0000	0.3892	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4517	5.0950	3.2438	6.2900e-003		0.2207	0.2207		0.2030	0.2030	0.0000	553.0149	553.0149	0.1789	0.0000	557.4863
Total	0.4517	5.0950	3.2438	6.2900e-003	1.1044	0.2207	1.3250	0.3892	0.2030	0.5922	0.0000	553.0149	553.0149	0.1789	0.0000	557.4863

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.7200e-003	5.4000e-003	0.0581	1.5000e-004	0.0163	1.0000e-004	0.0164	4.3300e-003	1.0000e-004	4.4200e-003	0.0000	14.1164	14.1164	5.1000e-004	4.5000e-004	14.2638
Total	6.7200e-003	5.4000e-003	0.0581	1.5000e-004	0.0163	1.0000e-004	0.0164	4.3300e-003	1.0000e-004	4.4200e-003	0.0000	14.1164	14.1164	5.1000e-004	4.5000e-004	14.2638

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	tons/yr										MT/yr					
Fugitive Dust					0.8153	0.0000	0.8153	0.2303	0.0000	0.2303	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2242	2.4824	1.6520	3.3200e-003		0.1062	0.1062		0.0977	0.0977	0.0000	291.5482	291.5482	0.0943	0.0000	293.9055
Total	0.2242	2.4824	1.6520	3.3200e-003	0.8153	0.1062	0.9215	0.2303	0.0977	0.3281	0.0000	291.5482	291.5482	0.0943	0.0000	293.9055

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-003	2.5200e-003	0.0284	8.0000e-005	8.5800e-003	5.0000e-005	8.6300e-003	2.2800e-003	5.0000e-005	2.3300e-003	0.0000	7.2302	7.2302	2.4000e-004	2.2000e-004	7.3019
Total	3.3000e-003	2.5200e-003	0.0284	8.0000e-005	8.5800e-003	5.0000e-005	8.6300e-003	2.2800e-003	5.0000e-005	2.3300e-003	0.0000	7.2302	7.2302	2.4000e-004	2.2000e-004	7.3019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.8153	0.0000	0.8153	0.2303	0.0000	0.2303	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2242	2.4824	1.6520	3.3200e-003		0.1062	0.1062		0.0977	0.0977	0.0000	291.5478	291.5478	0.0943	0.0000	293.9051
Total	0.2242	2.4824	1.6520	3.3200e-003	0.8153	0.1062	0.9215	0.2303	0.0977	0.3281	0.0000	291.5478	291.5478	0.0943	0.0000	293.9051

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-003	2.5200e-003	0.0284	8.0000e-005	8.5800e-003	5.0000e-005	8.6300e-003	2.2800e-003	5.0000e-005	2.3300e-003	0.0000	7.2302	7.2302	2.4000e-004	2.2000e-004	7.3019
Total	3.3000e-003	2.5200e-003	0.0284	8.0000e-005	8.5800e-003	5.0000e-005	8.6300e-003	2.2800e-003	5.0000e-005	2.3300e-003	0.0000	7.2302	7.2302	2.4000e-004	2.2000e-004	7.3019

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	tons/yr										MT/yr					
Off-Road	0.1464	1.3423	1.2763	2.0700e-003		0.0738	0.0738		0.0694	0.0694	0.0000	178.3607	178.3607	0.0430	0.0000	179.4365
Total	0.1464	1.3423	1.2763	2.0700e-003		0.0738	0.0738		0.0694	0.0694	0.0000	178.3607	178.3607	0.0430	0.0000	179.4365

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0739	1.3883	0.4448	4.5600e-003	0.1381	0.0234	0.1614	0.0399	0.0224	0.0622	0.0000	445.3306	445.3306	0.0140	0.0648	464.9871
Worker	0.1739	0.1328	1.4972	4.1500e-003	0.4520	2.7700e-003	0.4548	0.1201	2.5500e-003	0.1227	0.0000	380.8647	380.8647	0.0128	0.0116	384.6368
Total	0.2477	1.5211	1.9420	8.7100e-003	0.5900	0.0261	0.6162	0.1600	0.0249	0.1849	0.0000	826.1953	826.1953	0.0268	0.0764	849.6239

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1464	1.3423	1.2763	2.0700e-003		0.0738	0.0738		0.0694	0.0694	0.0000	178.3605	178.3605	0.0430	0.0000	179.4363
Total	0.1464	1.3423	1.2763	2.0700e-003		0.0738	0.0738		0.0694	0.0694	0.0000	178.3605	178.3605	0.0430	0.0000	179.4363

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0739	1.3883	0.4448	4.5600e-003	0.1381	0.0234	0.1614	0.0399	0.0224	0.0622	0.0000	445.3306	445.3306	0.0140	0.0648	464.9871
Worker	0.1739	0.1328	1.4972	4.1500e-003	0.4520	2.7700e-003	0.4548	0.1201	2.5500e-003	0.1227	0.0000	380.8647	380.8647	0.0128	0.0116	384.6368
Total	0.2477	1.5211	1.9420	8.7100e-003	0.5900	0.0261	0.6162	0.1600	0.0249	0.1849	0.0000	826.1953	826.1953	0.0268	0.0764	849.6239

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2428	301.2428	0.0722	0.0000	303.0471
Total	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2428	301.2428	0.0722	0.0000	303.0471

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0776	1.9318	0.6328	7.4900e-003	0.2331	0.0203	0.2534	0.0673	0.0194	0.0867	0.0000	731.9733	731.9733	0.0222	0.1063	764.2140
Worker	0.2746	0.1994	2.3359	6.8000e-003	0.7631	4.4200e-003	0.7675	0.2028	4.0700e-003	0.2069	0.0000	623.5510	623.5510	0.0197	0.0181	629.4415
Total	0.3522	2.1312	2.9687	0.0143	0.9962	0.0247	1.0209	0.2701	0.0235	0.2936	0.0000	1,355.5243	1,355.5243	0.0419	0.1245	1,393.6555

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2425	301.2425	0.0722	0.0000	303.0467
Total	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2425	301.2425	0.0722	0.0000	303.0467

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0776	1.9318	0.6328	7.4900e-003	0.2331	0.0203	0.2534	0.0673	0.0194	0.0867	0.0000	731.9733	731.9733	0.0222	0.1063	764.2140
Worker	0.2746	0.1994	2.3359	6.8000e-003	0.7631	4.4200e-003	0.7675	0.2028	4.0700e-003	0.2069	0.0000	623.5510	623.5510	0.0197	0.0181	629.4415
Total	0.3522	2.1312	2.9687	0.0143	0.9962	0.0247	1.0209	0.2701	0.0235	0.2936	0.0000	1,355.5243	1,355.5243	0.0419	0.1245	1,393.6555

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
Total	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0412	1.5583	0.5495	7.1900e-003	0.2331	9.1900e-003	0.2423	0.0673	8.7900e-003	0.0761	0.0000	704.2828	704.2828	0.0213	0.1021	735.2258
Worker	0.2573	0.1781	2.1686	6.5900e-003	0.7631	4.1900e-003	0.7673	0.2028	3.8600e-003	0.2066	0.0000	603.8463	603.8463	0.0179	0.0169	609.3144
Total	0.2985	1.7364	2.7181	0.0138	0.9962	0.0134	1.0096	0.2701	0.0127	0.2827	0.0000	1,308.1291	1,308.1291	0.0392	0.1189	1,344.5402

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0412	1.5583	0.5495	7.1900e-003	0.2331	9.1900e-003	0.2423	0.0673	8.7900e-003	0.0761	0.0000	704.2828	704.2828	0.0213	0.1021	735.2258
Worker	0.2573	0.1781	2.1686	6.5900e-003	0.7631	4.1900e-003	0.7673	0.2028	3.8600e-003	0.2066	0.0000	603.8463	603.8463	0.0179	0.0169	609.3144
Total	0.2985	1.7364	2.7181	0.0138	0.9962	0.0134	1.0096	0.2701	0.0127	0.2827	0.0000	1,308.1291	1,308.1291	0.0392	0.1189	1,344.5402

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	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
Total	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0400	1.5596	0.5410	7.1100e-003	0.2349	9.3000e-003	0.2442	0.0678	8.9000e-003	0.0767	0.0000	697.3390	697.3390	0.0219	0.1010	727.9950
Worker	0.2437	0.1613	2.0417	6.4200e-003	0.7690	4.0200e-003	0.7730	0.2043	3.7000e-003	0.2080	0.0000	588.5645	588.5645	0.0165	0.0159	593.7024
Total	0.2836	1.7209	2.5827	0.0135	1.0038	0.0133	1.0172	0.2722	0.0126	0.2848	0.0000	1,285.9035	1,285.9035	0.0384	0.1169	1,321.6974

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
Total	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0400	1.5596	0.5410	7.1100e-003	0.2349	9.3000e-003	0.2442	0.0678	8.9000e-003	0.0767	0.0000	697.3390	697.3390	0.0219	0.1010	727.9950
Worker	0.2437	0.1613	2.0417	6.4200e-003	0.7690	4.0200e-003	0.7730	0.2043	3.7000e-003	0.2080	0.0000	588.5645	588.5645	0.0165	0.0159	593.7024
Total	0.2836	1.7209	2.5827	0.0135	1.0038	0.0133	1.0172	0.2722	0.0126	0.2848	0.0000	1,285.9035	1,285.9035	0.0384	0.1169	1,321.6974

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	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0386	1.5383	0.5300	6.9400e-003	0.2340	9.2400e-003	0.2432	0.0676	8.8300e-003	0.0764	0.0000	681.4355	681.4355	0.0224	0.0987	711.4007
Worker	0.2287	0.1454	1.9062	6.1800e-003	0.7660	3.8300e-003	0.7699	0.2036	3.5200e-003	0.2071	0.0000	566.3750	566.3750	0.0150	0.0148	571.1678
Total	0.2672	1.6837	2.4362	0.0131	1.0000	0.0131	1.0131	0.2711	0.0124	0.2835	0.0000	1,247.8105	1,247.8105	0.0374	0.1135	1,282.5685

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0386	1.5383	0.5300	6.9400e-003	0.2340	9.2400e-003	0.2432	0.0676	8.8300e-003	0.0764	0.0000	681.4355	681.4355	0.0224	0.0987	711.4007
Worker	0.2287	0.1454	1.9062	6.1800e-003	0.7660	3.8300e-003	0.7699	0.2036	3.5200e-003	0.2071	0.0000	566.3750	566.3750	0.0150	0.0148	571.1678
Total	0.2672	1.6837	2.4362	0.0131	1.0000	0.0131	1.0131	0.2711	0.0124	0.2835	0.0000	1,247.8105	1,247.8105	0.0374	0.1135	1,282.5685

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	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0375	1.5218	0.5235	6.8000e-003	0.2340	9.1600e-003	0.2431	0.0676	8.7600e-003	0.0763	0.0000	668.4262	668.4262	0.0230	0.0968	697.8309
Worker	0.2162	0.1327	1.7971	5.9800e-003	0.7660	3.6400e-003	0.7697	0.2036	3.3500e-003	0.2069	0.0000	548.6784	548.6784	0.0137	0.0140	553.1977
Total	0.2537	1.6545	2.3207	0.0128	1.0000	0.0128	1.0128	0.2711	0.0121	0.2832	0.0000	1,217.1047	1,217.1047	0.0367	0.1108	1,251.0286

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0375	1.5218	0.5235	6.8000e-003	0.2340	9.1600e-003	0.2431	0.0676	8.7600e-003	0.0763	0.0000	668.4262	668.4262	0.0230	0.0968	697.8309
Worker	0.2162	0.1327	1.7971	5.9800e-003	0.7660	3.6400e-003	0.7697	0.2036	3.3500e-003	0.2069	0.0000	548.6784	548.6784	0.0137	0.0140	553.1977
Total	0.2537	1.6545	2.3207	0.0128	1.0000	0.0128	1.0128	0.2711	0.0121	0.2832	0.0000	1,217.1047	1,217.1047	0.0367	0.1108	1,251.0286

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	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0366	1.5055	0.5183	6.6500e-003	0.2340	9.0800e-003	0.2431	0.0676	8.6900e-003	0.0763	0.0000	654.6066	654.6066	0.0235	0.0947	683.4223
Worker	0.2044	0.1218	1.7029	5.8100e-003	0.7660	3.4200e-003	0.7695	0.2036	3.1500e-003	0.2067	0.0000	532.7010	532.7010	0.0126	0.0133	536.9868
Total	0.2410	1.6273	2.2212	0.0125	1.0000	0.0125	1.0125	0.2711	0.0118	0.2830	0.0000	1,187.3076	1,187.3076	0.0361	0.1081	1,220.4091

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0366	1.5055	0.5183	6.6500e-003	0.2340	9.0800e-003	0.2431	0.0676	8.6900e-003	0.0763	0.0000	654.6066	654.6066	0.0235	0.0947	683.4223
Worker	0.2044	0.1218	1.7029	5.8100e-003	0.7660	3.4200e-003	0.7695	0.2036	3.1500e-003	0.2067	0.0000	532.7010	532.7010	0.0126	0.0133	536.9868
Total	0.2410	1.6273	2.2212	0.0125	1.0000	0.0125	1.0125	0.2711	0.0118	0.2830	0.0000	1,187.3076	1,187.3076	0.0361	0.1081	1,220.4091

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	tons/yr										MT/yr					
Off-Road	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671
Total	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0358	1.4865	0.5131	6.4800e-003	0.2331	8.9800e-003	0.2421	0.0673	8.5900e-003	0.0759	0.0000	639.0457	639.0457	0.0239	0.0924	667.1882
Worker	0.1926	0.1121	1.6170	5.6300e-003	0.7631	3.1800e-003	0.7663	0.2028	2.9300e-003	0.2057	0.0000	516.4114	516.4114	0.0116	0.0127	520.4831
Total	0.2284	1.5986	2.1301	0.0121	0.9962	0.0122	1.0084	0.2701	0.0115	0.2816	0.0000	1,155.4570	1,155.4570	0.0355	0.1051	1,187.6713

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667
Total	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0358	1.4865	0.5131	6.4800e-003	0.2331	8.9800e-003	0.2421	0.0673	8.5900e-003	0.0759	0.0000	639.0457	639.0457	0.0239	0.0924	667.1882
Worker	0.1926	0.1121	1.6170	5.6300e-003	0.7631	3.1800e-003	0.7663	0.2028	2.9300e-003	0.2057	0.0000	516.4114	516.4114	0.0116	0.0127	520.4831
Total	0.2284	1.5986	2.1301	0.0121	0.9962	0.0122	1.0084	0.2701	0.0115	0.2816	0.0000	1,155.4570	1,155.4570	0.0355	0.1051	1,187.6713

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	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0352	1.4762	0.5121	6.3600e-003	0.2340	8.9200e-003	0.2429	0.0676	8.5300e-003	0.0761	0.0000	628.3287	628.3287	0.0245	0.0908	656.0099
Worker	0.1824	0.1044	1.5523	5.5100e-003	0.7660	2.9800e-003	0.7690	0.2036	2.7400e-003	0.2063	0.0000	505.5866	505.5866	0.0108	0.0122	509.5020
Total	0.2177	1.5806	2.0644	0.0119	1.0000	0.0119	1.0119	0.2711	0.0113	0.2824	0.0000	1,133.9153	1,133.9153	0.0353	0.1031	1,165.5120

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0352	1.4762	0.5121	6.3600e-003	0.2340	8.9200e-003	0.2429	0.0676	8.5300e-003	0.0761	0.0000	628.3287	628.3287	0.0245	0.0908	656.0099
Worker	0.1824	0.1044	1.5523	5.5100e-003	0.7660	2.9800e-003	0.7690	0.2036	2.7400e-003	0.2063	0.0000	505.5866	505.5866	0.0108	0.0122	509.5020
Total	0.2177	1.5806	2.0644	0.0119	1.0000	0.0119	1.0119	0.2711	0.0113	0.2824	0.0000	1,133.9153	1,133.9153	0.0353	0.1031	1,165.5120

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	tons/yr										MT/yr					
Off-Road	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777
Total	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0347	1.4653	0.5104	6.2400e-003	0.2340	8.8500e-003	0.2428	0.0676	8.4700e-003	0.0760	0.0000	616.7407	616.7407	0.0250	0.0891	643.9243
Worker	0.1717	0.0972	1.4902	5.3900e-003	0.7660	2.7800e-003	0.7688	0.2036	2.5600e-003	0.2061	0.0000	494.1549	494.1549	9.9900e-003	0.0118	497.9203
Total	0.2064	1.5625	2.0007	0.0116	1.0000	0.0116	1.0117	0.2711	0.0110	0.2822	0.0000	1,110.8955	1,110.8955	0.0350	0.1009	1,141.8445

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773
Total	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0347	1.4653	0.5104	6.2400e-003	0.2340	8.8500e-003	0.2428	0.0676	8.4700e-003	0.0760	0.0000	616.7407	616.7407	0.0250	0.0891	643.9243
Worker	0.1717	0.0972	1.4902	5.3900e-003	0.7660	2.7800e-003	0.7688	0.2036	2.5600e-003	0.2061	0.0000	494.1549	494.1549	9.9900e-003	0.0118	497.9203
Total	0.2064	1.5625	2.0007	0.0116	1.0000	0.0116	1.0117	0.2711	0.0110	0.2822	0.0000	1,110.8955	1,110.8955	0.0350	0.1009	1,141.8445

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	tons/yr										MT/yr					
Off-Road	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777
Total	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0343	1.4586	0.5097	6.1300e-003	0.2340	8.8000e-003	0.2428	0.0676	8.4200e-003	0.0760	0.0000	606.6956	606.6956	0.0254	0.0877	633.4569
Worker	0.1611	0.0908	1.4347	5.2800e-003	0.7660	2.6000e-003	0.7686	0.2036	2.3900e-003	0.2060	0.0000	483.9951	483.9951	9.2900e-003	0.0114	487.6289
Total	0.1954	1.5494	1.9444	0.0114	1.0000	0.0114	1.0114	0.2711	0.0108	0.2819	0.0000	1,090.6906	1,090.6906	0.0347	0.0991	1,121.0857

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773
Total	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0343	1.4586	0.5097	6.1300e-003	0.2340	8.8000e-003	0.2428	0.0676	8.4200e-003	0.0760	0.0000	606.6956	606.6956	0.0254	0.0877	633.4569
Worker	0.1611	0.0908	1.4347	5.2800e-003	0.7660	2.6000e-003	0.7686	0.2036	2.3900e-003	0.2060	0.0000	483.9951	483.9951	9.2900e-003	0.0114	487.6289
Total	0.1954	1.5494	1.9444	0.0114	1.0000	0.0114	1.0114	0.2711	0.0108	0.2819	0.0000	1,090.6906	1,090.6906	0.0347	0.0991	1,121.0857

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	tons/yr										MT/yr					
Off-Road	0.1715	1.0394	2.1166	4.0600e-003		0.0194	0.0194		0.0194	0.0194	0.0000	344.3479	344.3479	0.0138	0.0000	344.6933
Total	0.1715	1.0394	2.1166	4.0600e-003		0.0194	0.0194		0.0194	0.0194	0.0000	344.3479	344.3479	0.0138	0.0000	344.6933

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0342	1.4592	0.5119	6.0600e-003	0.2349	8.7900e-003	0.2437	0.0678	8.4100e-003	0.0762	0.0000	600.1881	600.1881	0.0258	0.0868	626.6839
Worker	0.1520	0.0857	1.3916	5.2000e-003	0.7690	2.4400e-003	0.7714	0.2043	2.2400e-003	0.2066	0.0000	476.8455	476.8455	8.7100e-003	0.0111	480.3820
Total	0.1861	1.5448	1.9035	0.0113	1.0039	0.0112	1.0151	0.2722	0.0107	0.2828	0.0000	1,077.0336	1,077.0336	0.0345	0.0979	1,107.0659

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1715	1.0394	2.1166	4.0600e-003		0.0194	0.0194		0.0194	0.0194	0.0000	344.3475	344.3475	0.0138	0.0000	344.6929
Total	0.1715	1.0394	2.1166	4.0600e-003		0.0194	0.0194		0.0194	0.0194	0.0000	344.3475	344.3475	0.0138	0.0000	344.6929

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0342	1.4592	0.5119	6.0600e-003	0.2349	8.7900e-003	0.2437	0.0678	8.4100e-003	0.0762	0.0000	600.1881	600.1881	0.0258	0.0868	626.6839
Worker	0.1520	0.0857	1.3916	5.2000e-003	0.7690	2.4400e-003	0.7714	0.2043	2.2400e-003	0.2066	0.0000	476.8455	476.8455	8.7100e-003	0.0111	480.3820
Total	0.1861	1.5448	1.9035	0.0113	1.0039	0.0112	1.0151	0.2722	0.0107	0.2828	0.0000	1,077.0336	1,077.0336	0.0345	0.0979	1,107.0659

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	tons/yr										MT/yr					
Off-Road	0.0498	0.3015	0.6140	1.1800e-003		5.6300e-003	5.6300e-003		5.6300e-003	5.6300e-003	0.0000	99.8872	99.8872	4.0100e-003	0.0000	99.9874
Total	0.0498	0.3015	0.6140	1.1800e-003		5.6300e-003	5.6300e-003		5.6300e-003	5.6300e-003	0.0000	99.8872	99.8872	4.0100e-003	0.0000	99.9874

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.8500e-003	0.4220	0.1487	1.7300e-003	0.0681	2.5400e-003	0.0707	0.0197	2.4300e-003	0.0221	0.0000	171.8114	171.8114	7.5800e-003	0.0248	179.4029
Worker	0.0416	0.0235	0.3915	1.4800e-003	0.2231	6.6000e-004	0.2237	0.0593	6.1000e-004	0.0599	0.0000	136.0295	136.0295	2.3700e-003	3.1500e-003	137.0284
Total	0.0514	0.4456	0.5402	3.2100e-003	0.2912	3.2000e-003	0.2944	0.0789	3.0400e-003	0.0820	0.0000	307.8408	307.8408	9.9500e-003	0.0280	316.4314

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0498	0.3015	0.6140	1.1800e-003		5.6300e-003	5.6300e-003		5.6300e-003	5.6300e-003	0.0000	99.8871	99.8871	4.0100e-003	0.0000	99.9873
Total	0.0498	0.3015	0.6140	1.1800e-003		5.6300e-003	5.6300e-003		5.6300e-003	5.6300e-003	0.0000	99.8871	99.8871	4.0100e-003	0.0000	99.9873

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.8500e-003	0.4220	0.1487	1.7300e-003	0.0681	2.5400e-003	0.0707	0.0197	2.4300e-003	0.0221	0.0000	171.8114	171.8114	7.5800e-003	0.0248	179.4029
Worker	0.0416	0.0235	0.3915	1.4800e-003	0.2231	6.6000e-004	0.2237	0.0593	6.1000e-004	0.0599	0.0000	136.0295	136.0295	2.3700e-003	3.1500e-003	137.0284
Total	0.0514	0.4456	0.5402	3.2100e-003	0.2912	3.2000e-003	0.2944	0.0789	3.0400e-003	0.0820	0.0000	307.8408	307.8408	9.9500e-003	0.0280	316.4314

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	tons/yr										MT/yr					
Off-Road	0.1274	0.6551	1.4582	2.5800e-003		0.0304	0.0304		0.0304	0.0304	0.0000	221.7155	221.7155	0.0104	0.0000	221.9754
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1274	0.6551	1.4582	2.5800e-003		0.0304	0.0304		0.0304	0.0304	0.0000	221.7155	221.7155	0.0104	0.0000	221.9754

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0600e-003	1.1700e-003	0.0194	7.0000e-005	0.0111	3.0000e-005	0.0111	2.9400e-003	3.0000e-005	2.9700e-003	0.0000	6.7487	6.7487	1.2000e-004	1.6000e-004	6.7982
Total	2.0600e-003	1.1700e-003	0.0194	7.0000e-005	0.0111	3.0000e-005	0.0111	2.9400e-003	3.0000e-005	2.9700e-003	0.0000	6.7487	6.7487	1.2000e-004	1.6000e-004	6.7982

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1274	0.6551	1.4582	2.5800e-003		0.0304	0.0304		0.0304	0.0304	0.0000	221.7153	221.7153	0.0104	0.0000	221.9751
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1274	0.6551	1.4582	2.5800e-003		0.0304	0.0304		0.0304	0.0304	0.0000	221.7153	221.7153	0.0104	0.0000	221.9751

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0600e-003	1.1700e-003	0.0194	7.0000e-005	0.0111	3.0000e-005	0.0111	2.9400e-003	3.0000e-005	2.9700e-003	0.0000	6.7487	6.7487	1.2000e-004	1.6000e-004	6.7982
Total	2.0600e-003	1.1700e-003	0.0194	7.0000e-005	0.0111	3.0000e-005	0.0111	2.9400e-003	3.0000e-005	2.9700e-003	0.0000	6.7487	6.7487	1.2000e-004	1.6000e-004	6.7982

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	tons/yr										MT/yr					
Off-Road	0.0249	0.1282	0.2853	5.0000e-004		5.9500e-003	5.9500e-003		5.9500e-003	5.9500e-003	0.0000	43.3791	43.3791	2.0300e-003	0.0000	43.4300
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0249	0.1282	0.2853	5.0000e-004		5.9500e-003	5.9500e-003		5.9500e-003	5.9500e-003	0.0000	43.3791	43.3791	2.0300e-003	0.0000	43.4300

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8000e-004	2.2000e-004	3.6900e-003	1.0000e-005	2.1700e-003	1.0000e-005	2.1700e-003	5.8000e-004	1.0000e-005	5.8000e-004	0.0000	1.3009	1.3009	2.0000e-005	3.0000e-005	1.3104
Total	3.8000e-004	2.2000e-004	3.6900e-003	1.0000e-005	2.1700e-003	1.0000e-005	2.1700e-003	5.8000e-004	1.0000e-005	5.8000e-004	0.0000	1.3009	1.3009	2.0000e-005	3.0000e-005	1.3104

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0249	0.1282	0.2853	5.0000e-004		5.9500e-003	5.9500e-003		5.9500e-003	5.9500e-003	0.0000	43.3791	43.3791	2.0300e-003	0.0000	43.4299
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0249	0.1282	0.2853	5.0000e-004		5.9500e-003	5.9500e-003		5.9500e-003	5.9500e-003	0.0000	43.3791	43.3791	2.0300e-003	0.0000	43.4299

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8000e-004	2.2000e-004	3.6900e-003	1.0000e-005	2.1700e-003	1.0000e-005	2.1700e-003	5.8000e-004	1.0000e-005	5.8000e-004	0.0000	1.3009	1.3009	2.0000e-005	3.0000e-005	1.3104
Total	3.8000e-004	2.2000e-004	3.6900e-003	1.0000e-005	2.1700e-003	1.0000e-005	2.1700e-003	5.8000e-004	1.0000e-005	5.8000e-004	0.0000	1.3009	1.3009	2.0000e-005	3.0000e-005	1.3104

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	tons/yr										MT/yr					
Archit. Coating	26.9799					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0144	0.0942	0.1978	3.3000e-004		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	28.0858	28.0858	1.1400e-003	0.0000	28.1142
Total	26.9943	0.0942	0.1978	3.3000e-004		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	28.0858	28.0858	1.1400e-003	0.0000	28.1142

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0227	0.0130	0.2197	8.4000e-004	0.1288	3.6000e-004	0.1292	0.0342	3.3000e-004	0.0346	0.0000	77.3801	77.3801	1.2800e-003	1.7800e-003	77.9438
Total	0.0227	0.0130	0.2197	8.4000e-004	0.1288	3.6000e-004	0.1292	0.0342	3.3000e-004	0.0346	0.0000	77.3801	77.3801	1.2800e-003	1.7800e-003	77.9438

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	26.9799					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0144	0.0942	0.1978	3.3000e-004		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	28.0858	28.0858	1.1400e-003	0.0000	28.1142
Total	26.9943	0.0942	0.1978	3.3000e-004		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	28.0858	28.0858	1.1400e-003	0.0000	28.1142

Escondido EVSP_Existing - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0227	0.0130	0.2197	8.4000e-004	0.1288	3.6000e-004	0.1292	0.0342	3.3000e-004	0.0346	0.0000	77.3801	77.3801	1.2800e-003	1.7800e-003	77.9438
Total	0.0227	0.0130	0.2197	8.4000e-004	0.1288	3.6000e-004	0.1292	0.0342	3.3000e-004	0.0346	0.0000	77.3801	77.3801	1.2800e-003	1.7800e-003	77.9438

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Escondido EVSP_Existing - San Diego Air Basin, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	17.4259	17.6959	147.1165	0.2886	30.4748	0.2316	30.7064	8.1334	0.2159	8.3493	0.0000	26,675.2572	26,675.2572	2.1414	1.3225	27,122.8900
Unmitigated	17.4259	17.6959	147.1165	0.2886	30.4748	0.2316	30.7064	8.1334	0.2159	8.3493	0.0000	26,675.2572	26,675.2572	2.1414	1.3225	27,122.8900

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
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

Escondido EVSP_Existing - San Diego Air Basin, Annual

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

4.4 Fleet Mix

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	4,711.7107	4,711.7107	0.2880	0.0349	4,729.3105
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	4,711.7107	4,711.7107	0.2880	0.0349	4,729.3105
NaturalGas Mitigated	0.1255	1.1144	0.7628	6.8500e-003		0.0867	0.0867		0.0867	0.0867	0.0000	1,242.2678	1,242.2678	0.0238	0.0228	1,249.6500
NaturalGas Unmitigated	0.1255	1.1144	0.7628	6.8500e-003		0.0867	0.0867		0.0867	0.0867	0.0000	1,242.2678	1,242.2678	0.0238	0.0228	1,249.6500

Escondido EVSP_Existing - San Diego Air Basin, Annual

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	3.52977e+006	0.0190	0.1627	0.0692	1.0400e-003		0.0132	0.0132		0.0132	0.0132	0.0000	188.3619	188.3619	3.6100e-003	3.4500e-003	189.4813
General Office Building	964024	5.2000e-003	0.0473	0.0397	2.8000e-004		3.5900e-003	3.5900e-003		3.5900e-003	3.5900e-003	0.0000	51.4440	51.4440	9.9000e-004	9.4000e-004	51.7497
Library	56448	3.0000e-004	2.7700e-003	2.3200e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	3.0123	3.0123	6.0000e-005	6.0000e-005	3.0302
Medical Office Building	1.17961e+007	0.0636	0.5782	0.4857	3.4700e-003		0.0440	0.0440		0.0440	0.0440	0.0000	629.4874	629.4874	0.0121	0.0115	633.2281
Single Family Housing	5.54644e+006	0.0299	0.2556	0.1088	1.6300e-003		0.0207	0.0207		0.0207	0.0207	0.0000	295.9790	295.9790	5.6700e-003	5.4300e-003	297.7379
Strip Mall	1.38639e+006	7.4800e-003	0.0680	0.0571	4.1000e-004		5.1600e-003	5.1600e-003		5.1600e-003	5.1600e-003	0.0000	73.9832	73.9832	1.4200e-003	1.3600e-003	74.4228
Total		0.1255	1.1145	0.7628	6.8500e-003		0.0867	0.0867		0.0867	0.0867	0.0000	1,242.2678	1,242.2678	0.0238	0.0228	1,249.6500

Escondido EVSP_Existing - San Diego Air Basin, Annual

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	3.52977e+006	0.0190	0.1627	0.0692	1.0400e-003		0.0132	0.0132		0.0132	0.0132	0.0000	188.3619	188.3619	3.6100e-003	3.4500e-003	189.4813
General Office Building	964024	5.2000e-003	0.0473	0.0397	2.8000e-004		3.5900e-003	3.5900e-003		3.5900e-003	3.5900e-003	0.0000	51.4440	51.4440	9.9000e-004	9.4000e-004	51.7497
Library	56448	3.0000e-004	2.7700e-003	2.3200e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	3.0123	3.0123	6.0000e-005	6.0000e-005	3.0302
Medical Office Building	1.17961e+007	0.0636	0.5782	0.4857	3.4700e-003		0.0440	0.0440		0.0440	0.0440	0.0000	629.4874	629.4874	0.0121	0.0115	633.2281
Single Family Housing	5.54644e+006	0.0299	0.2556	0.1088	1.6300e-003		0.0207	0.0207		0.0207	0.0207	0.0000	295.9790	295.9790	5.6700e-003	5.4300e-003	297.7379
Strip Mall	1.38639e+006	7.4800e-003	0.0680	0.0571	4.1000e-004		5.1600e-003	5.1600e-003		5.1600e-003	5.1600e-003	0.0000	73.9832	73.9832	1.4200e-003	1.3600e-003	74.4228
Total		0.1255	1.1145	0.7628	6.8500e-003		0.0867	0.0867		0.0867	0.0867	0.0000	1,242.2678	1,242.2678	0.0238	0.0228	1,249.6500

Escondido EVSP_Existing - San Diego Air Basin, Annual

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

5.3 Energy by Land Use - Electricity

Unmitigated

Land Use	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.30853e+006	320.4999	0.0196	2.3700e-003	321.6971
General Office Building	622789	152.5403	9.3200e-003	1.1300e-003	153.1101
Library	40082	9.8173	6.0000e-004	7.0000e-005	9.8540
Medical Office Building	7.62068e+006	1,866.5385	0.1141	0.0138	1,873.5106
Single Family Housing	2.01342e+006	493.1493	0.0301	3.6500e-003	494.9914
Strip Mall	7.6314e+006	1,869.1655	0.1142	0.0139	1,876.1475
Total		4,711.7107	0.2880	0.0349	4,729.3105

Escondido EVSP_Existing - San Diego Air Basin, Annual

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

5.3 Energy by Land Use - Electricity

Mitigated

Land Use	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.30853e+006	320.4999	0.0196	2.3700e-003	321.6971
General Office Building	622789	152.5403	9.3200e-003	1.1300e-003	153.1101
Library	40082	9.8173	6.0000e-004	7.0000e-005	9.8540
Medical Office Building	7.62068e+006	1,866.5385	0.1141	0.0138	1,873.5106
Single Family Housing	2.01342e+006	493.1493	0.0301	3.6500e-003	494.9914
Strip Mall	7.6314e+006	1,869.1655	0.1142	0.0139	1,876.1475
Total		4,711.7107	0.2880	0.0349	4,729.3105

6.0 Area Detail

6.1 Mitigation Measures Area

Escondido EVSP_Existing - San Diego Air Basin, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	47.3025	0.7617	49.3242	0.0818		6.3334	6.3334		6.3334	6.3334	600.1484	258.7630	858.9114	0.5607	0.0472	886.9953
Unmitigated	47.3025	0.7617	49.3242	0.0818		6.3334	6.3334		6.3334	6.3334	600.1484	258.7630	858.9114	0.5607	0.0472	886.9953

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.6980					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	8.0182					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	36.4555	0.7119	45.0004	0.0815		6.3095	6.3095		6.3095	6.3095	600.1484	251.6935	851.8419	0.5538	0.0472	879.7553
Landscaping	0.1307	0.0498	4.3238	2.3000e-004		0.0239	0.0239		0.0239	0.0239	0.0000	7.0695	7.0695	6.8200e-003	0.0000	7.2400
Total	47.3025	0.7617	49.3242	0.0818		6.3334	6.3334		6.3334	6.3334	600.1484	258.7630	858.9114	0.5607	0.0472	886.9953

Escondido EVSP_Existing - San Diego Air Basin, Annual

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.6980					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	8.0182					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	36.4555	0.7119	45.0004	0.0815		6.3095	6.3095		6.3095	6.3095	600.1484	251.6935	851.8419	0.5538	0.0472	879.7553
Landscaping	0.1307	0.0498	4.3238	2.3000e-004		0.0239	0.0239		0.0239	0.0239	0.0000	7.0695	7.0695	6.8200e-003	0.0000	7.2400
Total	47.3025	0.7617	49.3242	0.0818		6.3334	6.3334		6.3334	6.3334	600.1484	258.7630	858.9114	0.5607	0.0472	886.9953

7.0 Water Detail

7.1 Mitigation Measures Water

Escondido EVSP_Existing - San Diego Air Basin, Annual

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	779.9112	5.4770	0.1337	956.6654
Unmitigated	779.9112	5.4770	0.1337	956.6654

Escondido EVSP_Existing - San Diego Air Basin, Annual

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

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	21.1099 / 13.3084	110.2365	0.6942	0.0170	132.6600
General Office Building	8.55433 / 5.24297	44.2628	0.2813	6.8900e-003	53.3479
Library	0.153316 / 0.239801	1.1901	5.0700e-003	1.3000e-004	1.3545
Medical Office Building	73.898 / 14.0758	297.4260	2.4247	0.0589	375.5921
Single Family Housing	16.7446 / 10.5564	87.4406	0.5506	0.0135	105.2272
Strip Mall	46.2583 / 28.3519	239.3551	1.5211	0.0373	288.4838
Total		779.9112	5.4770	0.1337	956.6654

Escondido EVSP_Existing - San Diego Air Basin, Annual

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

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	21.1099 / 13.3084	110.2365	0.6942	0.0170	132.6600
General Office Building	8.55433 / 5.24297	44.2628	0.2813	6.8900e-003	53.3479
Library	0.153316 / 0.239801	1.1901	5.0700e-003	1.3000e-004	1.3545
Medical Office Building	73.898 / 14.0758	297.4260	2.4247	0.0589	375.5921
Single Family Housing	16.7446 / 10.5564	87.4406	0.5506	0.0135	105.2272
Strip Mall	46.2583 / 28.3519	239.3551	1.5211	0.0373	288.4838
Total		779.9112	5.4770	0.1337	956.6654

8.0 Waste Detail

8.1 Mitigation Measures Waste

Escondido EVSP_Existing - San Diego Air Basin, Annual

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

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1,526.374 3	90.2061	0.0000	3,781.527 7
Unmitigated	1,526.374 3	90.2061	0.0000	3,781.527 7

Escondido EVSP_Existing - San Diego Air Basin, Annual

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

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	149.04	30.2538	1.7880	0.0000	74.9524
General Office Building	44.76	9.0859	0.5370	0.0000	22.5099
Library	4.51	0.9155	0.0541	0.0000	2.2681
Medical Office Building	6360.34	1,291.0915	76.3013	0.0000	3,198.6246
Single Family Housing	305.04	61.9204	3.6594	0.0000	153.4051
Strip Mall	655.73	133.1073	7.8664	0.0000	329.7676
Total		1,526.3743	90.2061	0.0000	3,781.5277

Escondido EVSP_Existing - San Diego Air Basin, Annual

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

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	149.04	30.2538	1.7880	0.0000	74.9524
General Office Building	44.76	9.0859	0.5370	0.0000	22.5099
Library	4.51	0.9155	0.0541	0.0000	2.2681
Medical Office Building	6360.34	1,291.0915	76.3013	0.0000	3,198.6246
Single Family Housing	305.04	61.9204	3.6594	0.0000	153.4051
Strip Mall	655.73	133.1073	7.8664	0.0000	329.7676
Total		1,526.3743	90.2061	0.0000	3,781.5277

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

Escondido EVSP_Existing - San Diego Air Basin, Annual

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

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, Annual

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, Annual**

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/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 - 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, Annual

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

Table Name	Column Name	Default Value	New Value
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, Annual

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, Annual

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

Unmitigated Construction

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.4644	4.6405	2.9012	5.2200e-003	0.6720	0.2341	0.9061	0.3225	0.2170	0.5395	0.0000	457.9323	457.9323	0.1300	4.6000e-004	461.3191
2021	0.5460	5.8900	3.8154	7.5900e-003	1.7442	0.2609	2.0051	0.6930	0.2401	0.9330	0.0000	667.3321	667.3321	0.2108	5.2000e-004	672.7592
2022	1.6790	8.8916	14.2600	0.0527	4.6225	0.2183	4.8408	1.2553	0.2040	1.4592	0.0000	4,918.3568	4,918.3568	0.2751	0.3395	5,026.4030
2023	2.2241	9.6930	19.9822	0.0810	6.4551	0.1596	6.6148	1.7378	0.1502	1.8880	0.0000	7,592.6736	7,592.6736	0.2896	0.5495	7,763.6666
2024	2.1090	9.4690	19.0415	0.0795	6.5048	0.1483	6.6531	1.7512	0.1395	1.8907	0.0000	7,456.2199	7,456.2199	0.2820	0.5382	7,623.6412
2025	1.9814	9.1318	18.0043	0.0770	6.4800	0.1351	6.6151	1.7445	0.1271	1.8717	0.0000	7,229.1210	7,229.1210	0.2726	0.5209	7,391.1477
2026	1.8871	8.9710	17.1946	0.0750	6.4800	0.1334	6.6134	1.7445	0.1256	1.8701	0.0000	7,047.4874	7,047.4874	0.2659	0.5069	7,205.1967
2027	1.7992	8.8246	16.4960	0.0731	6.4800	0.1316	6.6116	1.7445	0.1239	1.8684	0.0000	6,874.7875	6,874.7875	0.2601	0.4935	7,028.3478
2028	1.7101	8.6688	15.8499	0.0711	6.4552	0.1291	6.5843	1.7379	0.1216	1.8594	0.0000	6,691.3737	6,691.3737	0.2545	0.4793	6,840.5639
2029	1.6355	8.5766	15.3896	0.0698	6.4800	0.1277	6.6077	1.7445	0.1203	1.8648	0.0000	6,569.8408	6,569.8408	0.2514	0.4693	6,715.9787
2030	1.5486	7.8872	14.9467	0.0689	6.4800	0.0765	6.5565	1.7445	0.0733	1.8178	0.0000	6,479.5130	6,479.5130	0.1905	0.4590	6,621.0497
2031	1.4708	7.8129	14.5446	0.0677	6.4800	0.0750	6.5550	1.7445	0.0719	1.8164	0.0000	6,364.4147	6,364.4147	0.1871	0.4501	6,503.2331
2032	1.4056	7.7826	14.2527	0.0668	6.5049	0.0738	6.5787	1.7512	0.0708	1.8221	0.0000	6,287.0908	6,287.0908	0.1847	0.4443	6,424.0972
2033	1.3325	7.6732	13.8480	0.0654	6.4552	0.0720	6.5272	1.7379	0.0691	1.8070	0.0000	6,149.9358	6,149.9358	0.1808	0.4343	6,283.8827
2034	0.5066	2.9117	5.4913	0.0217	1.9228	0.0513	1.9740	0.5176	0.0504	0.5680	0.0000	2,025.0146	2,025.0146	0.0633	0.1271	2,064.4625
2035	125.6578	0.2636	2.0360	6.8600e-003	0.9293	7.0000e-003	0.9363	0.2470	6.8000e-003	0.2538	0.0000	623.8097	623.8097	0.0115	0.0127	627.8706
Maximum	125.6578	9.6930	19.9822	0.0810	6.5049	0.2609	6.6531	1.7512	0.2401	1.8907	0.0000	7,592.6736	7,592.6736	0.2896	0.5495	7,763.6666

2.1 Overall Construction

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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	tons/yr										MT/yr					
2020	0.4644	4.6405	2.9012	5.2200e-003	0.6720	0.2341	0.9061	0.3225	0.2170	0.5395	0.0000	457.9318	457.9318	0.1300	4.6000e-004	461.3185
2021	0.5460	5.8900	3.8154	7.5900e-003	1.7442	0.2609	2.0051	0.6930	0.2401	0.9330	0.0000	667.3313	667.3313	0.2108	5.2000e-004	672.7584
2022	1.6790	8.8916	14.2600	0.0527	4.6225	0.2183	4.8408	1.2553	0.2040	1.4592	0.0000	4,918.3562	4,918.3562	0.2751	0.3395	5,026.4025
2023	2.2241	9.6929	19.9822	0.0810	6.4551	0.1596	6.6148	1.7378	0.1502	1.8880	0.0000	7,592.6732	7,592.6732	0.2896	0.5495	7,763.6662
2024	2.1090	9.4690	19.0415	0.0795	6.5048	0.1483	6.6531	1.7512	0.1395	1.8907	0.0000	7,456.2196	7,456.2196	0.2820	0.5382	7,623.6409
2025	1.9814	9.1318	18.0043	0.0770	6.4800	0.1351	6.6151	1.7445	0.1271	1.8717	0.0000	7,229.1207	7,229.1207	0.2726	0.5209	7,391.1474
2026	1.8871	8.9710	17.1946	0.0750	6.4800	0.1334	6.6134	1.7445	0.1256	1.8701	0.0000	7,047.4871	7,047.4871	0.2659	0.5069	7,205.1964
2027	1.7992	8.8246	16.4960	0.0731	6.4800	0.1316	6.6116	1.7445	0.1239	1.8684	0.0000	6,874.7871	6,874.7871	0.2601	0.4935	7,028.3474
2028	1.7101	8.6688	15.8499	0.0711	6.4552	0.1291	6.5843	1.7379	0.1216	1.8594	0.0000	6,691.3733	6,691.3733	0.2545	0.4793	6,840.5635
2029	1.6355	8.5766	15.3896	0.0698	6.4800	0.1277	6.6077	1.7445	0.1203	1.8648	0.0000	6,569.8405	6,569.8405	0.2514	0.4693	6,715.9783
2030	1.5486	7.8872	14.9467	0.0689	6.4800	0.0765	6.5565	1.7445	0.0733	1.8178	0.0000	6,479.5126	6,479.5126	0.1905	0.4590	6,621.0493
2031	1.4708	7.8129	14.5446	0.0677	6.4800	0.0750	6.5550	1.7445	0.0719	1.8164	0.0000	6,364.4143	6,364.4143	0.1871	0.4501	6,503.2327
2032	1.4056	7.7825	14.2527	0.0668	6.5049	0.0738	6.5787	1.7512	0.0708	1.8221	0.0000	6,287.0904	6,287.0904	0.1847	0.4443	6,424.0968
2033	1.3325	7.6732	13.8480	0.0654	6.4552	0.0720	6.5272	1.7379	0.0691	1.8070	0.0000	6,149.9354	6,149.9354	0.1808	0.4343	6,283.8823
2034	0.5066	2.9117	5.4912	0.0217	1.9228	0.0513	1.9740	0.5176	0.0504	0.5680	0.0000	2,025.0142	2,025.0142	0.0633	0.1271	2,064.4621
2035	125.6578	0.2636	2.0360	6.8600e-003	0.9293	7.0000e-003	0.9363	0.2470	6.8000e-003	0.2538	0.0000	623.8096	623.8096	0.0115	0.0127	627.8705
Maximum	125.6578	9.6929	19.9822	0.0810	6.5049	0.2609	6.6531	1.7512	0.2401	1.8907	0.0000	7,592.6732	7,592.6732	0.2896	0.5495	7,763.6662

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2020	3-31-2020	1.1898	1.1898
2	4-1-2020	6-30-2020	1.1895	1.1895
3	7-1-2020	9-30-2020	1.2026	1.2026
4	10-1-2020	12-31-2020	1.5100	1.5100
5	1-1-2021	3-31-2021	1.4478	1.4478
6	4-1-2021	6-30-2021	1.6476	1.6476
7	7-1-2021	9-30-2021	1.6657	1.6657
8	10-1-2021	12-31-2021	1.6661	1.6661
9	1-1-2022	3-31-2022	1.3685	1.3685
10	4-1-2022	6-30-2022	2.0573	2.0573
11	7-1-2022	9-30-2022	3.4653	3.4653
12	10-1-2022	12-31-2022	3.6213	3.6213
13	1-1-2023	3-31-2023	3.0061	3.0061
14	4-1-2023	6-30-2023	2.8988	2.8988
15	7-1-2023	9-30-2023	2.9307	2.9307
16	10-1-2023	12-31-2023	3.0729	3.0729
17	1-1-2024	3-31-2024	2.9303	2.9303
18	4-1-2024	6-30-2024	2.7948	2.7948
19	7-1-2024	9-30-2024	2.8255	2.8255
20	10-1-2024	12-31-2024	2.9625	2.9625
21	1-1-2025	3-31-2025	2.7924	2.7924
22	4-1-2025	6-30-2025	2.6928	2.6928
23	7-1-2025	9-30-2025	2.7224	2.7224

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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

24	10-1-2025	12-31-2025	2.8544	2.8544
25	1-1-2026	3-31-2026	2.7278	2.7278
26	4-1-2026	6-30-2026	2.6315	2.6315
27	7-1-2026	9-30-2026	2.6605	2.6605
28	10-1-2026	12-31-2026	2.7884	2.7884
29	1-1-2027	3-31-2027	2.6683	2.6683
30	4-1-2027	6-30-2027	2.5752	2.5752
31	7-1-2027	9-30-2027	2.6035	2.6035
32	10-1-2027	12-31-2027	2.7276	2.7276
33	1-1-2028	3-31-2028	2.6451	2.6451
34	4-1-2028	6-30-2028	2.5259	2.5259
35	7-1-2028	9-30-2028	2.5537	2.5537
36	10-1-2028	12-31-2028	2.6742	2.6742
37	1-1-2029	3-31-2029	2.5633	2.5633
38	4-1-2029	6-30-2029	2.4761	2.4761
39	7-1-2029	9-30-2029	2.5033	2.5033
40	10-1-2029	12-31-2029	2.6203	2.6203
41	1-1-2030	3-31-2030	2.3702	2.3702
42	4-1-2030	6-30-2030	2.2840	2.2840
43	7-1-2030	9-30-2030	2.3091	2.3091
44	10-1-2030	12-31-2030	2.4229	2.4229
45	1-1-2031	3-31-2031	2.3309	2.3309
46	4-1-2031	6-30-2031	2.2472	2.2472
47	7-1-2031	9-30-2031	2.2719	2.2719
48	10-1-2031	12-31-2031	2.3827	2.3827
49	1-1-2032	3-31-2032	2.3225	2.3225
50	4-1-2032	6-30-2032	2.2155	2.2155
51	7-1-2032	9-30-2032	2.2398	2.2398
52	10-1-2032	12-31-2032	2.3481	2.3481

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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

53	1-1-2033	3-31-2033	2.2678	2.2678
54	4-1-2033	6-30-2033	2.1880	2.1880
55	7-1-2033	9-30-2033	2.2121	2.2121
56	10-1-2033	12-31-2033	2.3182	2.3182
57	1-1-2034	3-31-2034	2.2414	2.2414
58	4-1-2034	6-30-2034	0.6505	0.6505
59	7-1-2034	9-30-2034	0.2805	0.2805
60	10-1-2034	12-31-2034	0.2806	0.2806
61	1-1-2035	3-31-2035	16.0431	16.0431
62	4-1-2035	6-30-2035	37.1687	37.1687
63	7-1-2035	9-30-2035	37.5772	37.5772
		Highest	37.5772	37.5772

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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	tons/yr										MT/yr					
Area	47.1254	0.9453	45.8025	5.0900e-003		0.2877	0.2877		0.2877	0.2877	0.0000	559.9869	559.9869	0.0806	8.9000e-003	564.6515
Energy	0.3828	3.3207	1.7558	0.0209		0.2645	0.2645		0.2645	0.2645	0.0000	15,621.5824	15,621.5824	0.7958	0.1571	15,688.2955
Mobile	24.0011	21.1088	203.3129	0.3782	50.7482	0.2337	50.9818	13.5412	0.2180	13.7592	0.0000	35,052.6527	35,052.6527	2.9793	1.8880	35,689.7513
Waste						0.0000	0.0000		0.0000	0.0000	1,802.7709	0.0000	1,802.7709	106.5407	0.0000	4,466.2885
Water						0.0000	0.0000		0.0000	0.0000	183.4824	2,864.0105	3,047.4929	19.0204	0.4662	3,661.9303
Total	71.5093	25.3748	250.8712	0.4042	50.7482	0.7859	51.5341	13.5412	0.7702	14.3114	1,986.2533	54,098.2325	56,084.4858	129.4168	2.5202	60,070.9170

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	47.1254	0.9453	45.8025	5.0900e-003		0.2877	0.2877		0.2877	0.2877	0.0000	559.9869	559.9869	0.0806	8.9000e-003	564.6515
Energy	0.3828	3.3207	1.7558	0.0209		0.2645	0.2645		0.2645	0.2645	0.0000	15,621.5824	15,621.5824	0.7958	0.1571	15,688.2955
Mobile	24.0011	21.1088	203.3129	0.3782	50.7482	0.2337	50.9818	13.5412	0.2180	13.7592	0.0000	35,052.6527	35,052.6527	2.9793	1.8880	35,689.7513
Waste						0.0000	0.0000		0.0000	0.0000	1,802.7709	0.0000	1,802.7709	106.5407	0.0000	4,466.2885
Water						0.0000	0.0000		0.0000	0.0000	183.4824	2,864.0105	3,047.4929	19.0204	0.4662	3,661.9303
Total	71.5093	25.3748	250.8712	0.4042	50.7482	0.7859	51.5341	13.5412	0.7702	14.3114	1,986.2533	54,098.2325	56,084.4858	129.4168	2.5202	60,070.9170

	ROG	NOx	CO	SO2	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	

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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

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
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

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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

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

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	tons/yr										MT/yr					
Off-Road	0.3312	3.3201	2.1753	3.8800e-003		0.1659	0.1659		0.1542	0.1542	0.0000	339.9861	339.9861	0.0960	0.0000	342.3855
Total	0.3312	3.3201	2.1753	3.8800e-003		0.1659	0.1659		0.1542	0.1542	0.0000	339.9861	339.9861	0.0960	0.0000	342.3855

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9600e-003	3.9900e-003	0.0429	1.1000e-004	0.0120	8.0000e-005	0.0121	3.2000e-003	7.0000e-005	3.2700e-003	0.0000	10.4308	10.4308	3.8000e-004	3.3000e-004	10.5398
Total	4.9600e-003	3.9900e-003	0.0429	1.1000e-004	0.0120	8.0000e-005	0.0121	3.2000e-003	7.0000e-005	3.2700e-003	0.0000	10.4308	10.4308	3.8000e-004	3.3000e-004	10.5398

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3312	3.3201	2.1753	3.8800e-003		0.1659	0.1659		0.1542	0.1542	0.0000	339.9857	339.9857	0.0960	0.0000	342.3851
Total	0.3312	3.3201	2.1753	3.8800e-003		0.1659	0.1659		0.1542	0.1542	0.0000	339.9857	339.9857	0.0960	0.0000	342.3851

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9600e-003	3.9900e-003	0.0429	1.1000e-004	0.0120	8.0000e-005	0.0121	3.2000e-003	7.0000e-005	3.2700e-003	0.0000	10.4308	10.4308	3.8000e-004	3.3000e-004	10.5398
Total	4.9600e-003	3.9900e-003	0.0429	1.1000e-004	0.0120	8.0000e-005	0.0121	3.2000e-003	7.0000e-005	3.2700e-003	0.0000	10.4308	10.4308	3.8000e-004	3.3000e-004	10.5398

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	tons/yr										MT/yr					
Fugitive Dust					0.6555	0.0000	0.6555	0.3182	0.0000	0.3182	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1264	1.3149	0.6669	1.1800e-003		0.0681	0.0681		0.0627	0.0627	0.0000	103.6351	103.6351	0.0335	0.0000	104.4731
Total	0.1264	1.3149	0.6669	1.1800e-003	0.6555	0.0681	0.7236	0.3182	0.0627	0.3808	0.0000	103.6351	103.6351	0.0335	0.0000	104.4731

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8500e-003	1.4900e-003	0.0160	4.0000e-005	4.4700e-003	3.0000e-005	4.5000e-003	1.1900e-003	3.0000e-005	1.2200e-003	0.0000	3.8803	3.8803	1.4000e-004	1.2000e-004	3.9208
Total	1.8500e-003	1.4900e-003	0.0160	4.0000e-005	4.4700e-003	3.0000e-005	4.5000e-003	1.1900e-003	3.0000e-005	1.2200e-003	0.0000	3.8803	3.8803	1.4000e-004	1.2000e-004	3.9208

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.6555	0.0000	0.6555	0.3182	0.0000	0.3182	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1264	1.3149	0.6669	1.1800e-003		0.0681	0.0681		0.0627	0.0627	0.0000	103.6350	103.6350	0.0335	0.0000	104.4729
Total	0.1264	1.3149	0.6669	1.1800e-003	0.6555	0.0681	0.7236	0.3182	0.0627	0.3808	0.0000	103.6350	103.6350	0.0335	0.0000	104.4729

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8500e-003	1.4900e-003	0.0160	4.0000e-005	4.4700e-003	3.0000e-005	4.5000e-003	1.1900e-003	3.0000e-005	1.2200e-003	0.0000	3.8803	3.8803	1.4000e-004	1.2000e-004	3.9208
Total	1.8500e-003	1.4900e-003	0.0160	4.0000e-005	4.4700e-003	3.0000e-005	4.5000e-003	1.1900e-003	3.0000e-005	1.2200e-003	0.0000	3.8803	3.8803	1.4000e-004	1.2000e-004	3.9208

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	tons/yr										MT/yr					
Fugitive Dust					0.6194	0.0000	0.6194	0.2983	0.0000	0.2983	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1128	1.1744	0.6135	1.1000e-003		0.0593	0.0593		0.0546	0.0546	0.0000	96.9636	96.9636	0.0314	0.0000	97.7476
Total	0.1128	1.1744	0.6135	1.1000e-003	0.6194	0.0593	0.6787	0.2983	0.0546	0.3529	0.0000	96.9636	96.9636	0.0314	0.0000	97.7476

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6100e-003	1.2300e-003	0.0139	4.0000e-005	4.1900e-003	3.0000e-005	4.2100e-003	1.1100e-003	2.0000e-005	1.1400e-003	0.0000	3.5273	3.5273	1.2000e-004	1.1000e-004	3.5622
Total	1.6100e-003	1.2300e-003	0.0139	4.0000e-005	4.1900e-003	3.0000e-005	4.2100e-003	1.1100e-003	2.0000e-005	1.1400e-003	0.0000	3.5273	3.5273	1.2000e-004	1.1000e-004	3.5622

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.6194	0.0000	0.6194	0.2983	0.0000	0.2983	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1128	1.1744	0.6135	1.1000e-003		0.0593	0.0593		0.0546	0.0546	0.0000	96.9635	96.9635	0.0314	0.0000	97.7475
Total	0.1128	1.1744	0.6135	1.1000e-003	0.6194	0.0593	0.6787	0.2983	0.0546	0.3529	0.0000	96.9635	96.9635	0.0314	0.0000	97.7475

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6100e-003	1.2300e-003	0.0139	4.0000e-005	4.1900e-003	3.0000e-005	4.2100e-003	1.1100e-003	2.0000e-005	1.1400e-003	0.0000	3.5273	3.5273	1.2000e-004	1.1000e-004	3.5622
Total	1.6100e-003	1.2300e-003	0.0139	4.0000e-005	4.1900e-003	3.0000e-005	4.2100e-003	1.1100e-003	2.0000e-005	1.1400e-003	0.0000	3.5273	3.5273	1.2000e-004	1.1000e-004	3.5622

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	tons/yr										MT/yr					
Fugitive Dust					1.1044	0.0000	1.1044	0.3892	0.0000	0.3892	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4254	4.7096	3.1342	6.2900e-003		0.2015	0.2015		0.1854	0.1854	0.0000	553.1241	553.1241	0.1789	0.0000	557.5964
Total	0.4254	4.7096	3.1342	6.2900e-003	1.1044	0.2015	1.3059	0.3892	0.1854	0.5746	0.0000	553.1241	553.1241	0.1789	0.0000	557.5964

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.2600e-003	4.7800e-003	0.0539	1.5000e-004	0.0163	1.0000e-004	0.0164	4.3300e-003	9.0000e-005	4.4200e-003	0.0000	13.7172	13.7172	4.6000e-004	4.2000e-004	13.8530
Total	6.2600e-003	4.7800e-003	0.0539	1.5000e-004	0.0163	1.0000e-004	0.0164	4.3300e-003	9.0000e-005	4.4200e-003	0.0000	13.7172	13.7172	4.6000e-004	4.2000e-004	13.8530

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.1044	0.0000	1.1044	0.3892	0.0000	0.3892	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4254	4.7096	3.1342	6.2900e-003		0.2015	0.2015		0.1854	0.1854	0.0000	553.1234	553.1234	0.1789	0.0000	557.5957
Total	0.4254	4.7096	3.1342	6.2900e-003	1.1044	0.2015	1.3059	0.3892	0.1854	0.5746	0.0000	553.1234	553.1234	0.1789	0.0000	557.5957

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.2600e-003	4.7800e-003	0.0539	1.5000e-004	0.0163	1.0000e-004	0.0164	4.3300e-003	9.0000e-005	4.4200e-003	0.0000	13.7172	13.7172	4.6000e-004	4.2000e-004	13.8530
Total	6.2600e-003	4.7800e-003	0.0539	1.5000e-004	0.0163	1.0000e-004	0.0164	4.3300e-003	9.0000e-005	4.4200e-003	0.0000	13.7172	13.7172	4.6000e-004	4.2000e-004	13.8530

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.8153	0.0000	0.8153	0.2303	0.0000	0.2303	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1939	2.0781	1.5537	3.3200e-003		0.0875	0.0875		0.0805	0.0805	0.0000	291.7601	291.7601	0.0944	0.0000	294.1191
Total	0.1939	2.0781	1.5537	3.3200e-003	0.8153	0.0875	0.9028	0.2303	0.0805	0.3108	0.0000	291.7601	291.7601	0.0944	0.0000	294.1191

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0900e-003	2.2400e-003	0.0263	8.0000e-005	8.5800e-003	5.0000e-005	8.6300e-003	2.2800e-003	5.0000e-005	2.3300e-003	0.0000	7.0114	7.0114	2.2000e-004	2.0000e-004	7.0776
Total	3.0900e-003	2.2400e-003	0.0263	8.0000e-005	8.5800e-003	5.0000e-005	8.6300e-003	2.2800e-003	5.0000e-005	2.3300e-003	0.0000	7.0114	7.0114	2.2000e-004	2.0000e-004	7.0776

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.8153	0.0000	0.8153	0.2303	0.0000	0.2303	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1939	2.0781	1.5537	3.3200e-003		0.0875	0.0875		0.0805	0.0805	0.0000	291.7598	291.7598	0.0944	0.0000	294.1188
Total	0.1939	2.0781	1.5537	3.3200e-003	0.8153	0.0875	0.9028	0.2303	0.0805	0.3108	0.0000	291.7598	291.7598	0.0944	0.0000	294.1188

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0900e-003	2.2400e-003	0.0263	8.0000e-005	8.5800e-003	5.0000e-005	8.6300e-003	2.2800e-003	5.0000e-005	2.3300e-003	0.0000	7.0114	7.0114	2.2000e-004	2.0000e-004	7.0776
Total	3.0900e-003	2.2400e-003	0.0263	8.0000e-005	8.5800e-003	5.0000e-005	8.6300e-003	2.2800e-003	5.0000e-005	2.3300e-003	0.0000	7.0114	7.0114	2.2000e-004	2.0000e-004	7.0776

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1305	1.1946	1.2518	2.0600e-003		0.0619	0.0619		0.0582	0.0582	0.0000	177.2698	177.2698	0.0425	0.0000	178.3315
Total	0.1305	1.1946	1.2518	2.0600e-003		0.0619	0.0619		0.0582	0.0582	0.0000	177.2698	177.2698	0.0425	0.0000	178.3315

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1919	4.7746	1.5640	0.0185	0.5761	0.0502	0.6263	0.1663	0.0480	0.2144	0.0000	1,809.100 1	1,809.100 1	0.0549	0.2628	1,888.784 3
Worker	1.1596	0.8420	9.8642	0.0287	3.2225	0.0187	3.2412	0.8563	0.0172	0.8735	0.0000	2,633.215 5	2,633.215 5	0.0831	0.0765	2,658.090 5
Total	1.3515	5.6166	11.4282	0.0472	3.7986	0.0689	3.8675	1.0226	0.0652	1.0879	0.0000	4,442.315 5	4,442.315 5	0.1380	0.3393	4,546.874 8

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1305	1.1946	1.2518	2.0600e-003		0.0619	0.0619		0.0582	0.0582	0.0000	177.2696	177.2696	0.0425	0.0000	178.3313
Total	0.1305	1.1946	1.2518	2.0600e-003		0.0619	0.0619		0.0582	0.0582	0.0000	177.2696	177.2696	0.0425	0.0000	178.3313

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1919	4.7746	1.5640	0.0185	0.5761	0.0502	0.6263	0.1663	0.0480	0.2144	0.0000	1,809.100 1	1,809.100 1	0.0549	0.2628	1,888.784 3
Worker	1.1596	0.8420	9.8642	0.0287	3.2225	0.0187	3.2412	0.8563	0.0172	0.8735	0.0000	2,633.215 5	2,633.215 5	0.0831	0.0765	2,658.090 5
Total	1.3515	5.6166	11.4282	0.0472	3.7986	0.0689	3.8675	1.0226	0.0652	1.0879	0.0000	4,442.315 5	4,442.315 5	0.1380	0.3393	4,546.874 8

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
Total	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1730	6.5450	2.3080	0.0302	0.9789	0.0386	1.0175	0.2827	0.0369	0.3196	0.0000	2,957.9878	2,957.9878	0.0894	0.4286	3,087.9483
Worker	1.8466	1.2780	15.5624	0.0473	5.4762	0.0301	5.5063	1.4552	0.0277	1.4829	0.0000	4,333.3397	4,333.3397	0.1285	0.1209	4,372.5800
Total	2.0196	7.8229	17.8705	0.0775	6.4551	0.0687	6.5238	1.7378	0.0646	1.8024	0.0000	7,291.3274	7,291.3274	0.2179	0.5495	7,460.5283

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1730	6.5450	2.3080	0.0302	0.9789	0.0386	1.0175	0.2827	0.0369	0.3196	0.0000	2,957.9878	2,957.9878	0.0894	0.4286	3,087.9483
Worker	1.8466	1.2780	15.5624	0.0473	5.4762	0.0301	5.5063	1.4552	0.0277	1.4829	0.0000	4,333.3397	4,333.3397	0.1285	0.1209	4,372.5800
Total	2.0196	7.8229	17.8705	0.0775	6.4551	0.0687	6.5238	1.7378	0.0646	1.8024	0.0000	7,291.3274	7,291.3274	0.2179	0.5495	7,460.5283

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	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
Total	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1678	6.5501	2.2723	0.0299	0.9865	0.0391	1.0255	0.2848	0.0374	0.3222	0.0000	2,928.8237	2,928.8237	0.0922	0.4243	3,057.5790
Worker	1.7485	1.1577	14.6514	0.0461	5.5183	0.0289	5.5472	1.4664	0.0266	1.4929	0.0000	4,223.6739	4,223.6739	0.1180	0.1138	4,260.5444
Total	1.9162	7.7078	16.9237	0.0759	6.5048	0.0679	6.5727	1.7512	0.0639	1.8151	0.0000	7,152.4976	7,152.4976	0.2102	0.5382	7,318.1234

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
Total	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1678	6.5501	2.2723	0.0299	0.9865	0.0391	1.0255	0.2848	0.0374	0.3222	0.0000	2,928.8237	2,928.8237	0.0922	0.4243	3,057.5790
Worker	1.7485	1.1577	14.6514	0.0461	5.5183	0.0289	5.5472	1.4664	0.0266	1.4929	0.0000	4,223.6739	4,223.6739	0.1180	0.1138	4,260.5444
Total	1.9162	7.7078	16.9237	0.0759	6.5048	0.0679	6.5727	1.7512	0.0639	1.8151	0.0000	7,152.4976	7,152.4976	0.2102	0.5382	7,318.1234

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	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1619	6.4609	2.2261	0.0291	0.9827	0.0388	1.0215	0.2837	0.0371	0.3209	0.0000	2,862.029 2	2,862.029 2	0.0942	0.4144	2,987.882 8
Worker	1.6411	1.0436	13.6791	0.0443	5.4973	0.0275	5.5247	1.4608	0.0253	1.4861	0.0000	4,064.436 9	4,064.436 9	0.1073	0.1064	4,098.831 5
Total	1.8030	7.5045	15.9052	0.0735	6.4800	0.0662	6.5462	1.7445	0.0624	1.8069	0.0000	6,926.466 1	6,926.466 1	0.2014	0.5209	7,086.714 2

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1619	6.4609	2.2261	0.0291	0.9827	0.0388	1.0215	0.2837	0.0371	0.3209	0.0000	2,862.029 2	2,862.029 2	0.0942	0.4144	2,987.882 8
Worker	1.6411	1.0436	13.6791	0.0443	5.4973	0.0275	5.5247	1.4608	0.0253	1.4861	0.0000	4,064.436 9	4,064.436 9	0.1073	0.1064	4,098.831 5
Total	1.8030	7.5045	15.9052	0.0735	6.4800	0.0662	6.5462	1.7445	0.0624	1.8069	0.0000	6,926.466 1	6,926.466 1	0.2014	0.5209	7,086.714 2

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	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1574	6.3914	2.1989	0.0285	0.9827	0.0385	1.0212	0.2837	0.0368	0.3206	0.0000	2,807.390 2	2,807.390 2	0.0965	0.4063	2,930.889 8
Worker	1.5513	0.9523	12.8966	0.0429	5.4973	0.0261	5.5234	1.4608	0.0240	1.4848	0.0000	3,937.442 3	3,937.442 3	0.0983	0.1006	3,969.873 4
Total	1.7087	7.3437	15.0955	0.0715	6.4800	0.0646	6.5446	1.7445	0.0608	1.8054	0.0000	6,744.832 5	6,744.832 5	0.1948	0.5069	6,900.763 2

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1574	6.3914	2.1989	0.0285	0.9827	0.0385	1.0212	0.2837	0.0368	0.3206	0.0000	2,807.390 2	2,807.390 2	0.0965	0.4063	2,930.889 8
Worker	1.5513	0.9523	12.8966	0.0429	5.4973	0.0261	5.5234	1.4608	0.0240	1.4848	0.0000	3,937.442 3	3,937.442 3	0.0983	0.1006	3,969.873 4
Total	1.7087	7.3437	15.0955	0.0715	6.4800	0.0646	6.5446	1.7445	0.0608	1.8054	0.0000	6,744.832 5	6,744.832 5	0.1948	0.5069	6,900.763 2

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	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1537	6.3232	2.1769	0.0279	0.9827	0.0382	1.0209	0.2838	0.0365	0.3202	0.0000	2,749.347 7	2,749.347 7	0.0986	0.3979	2,870.373 8
Worker	1.4670	0.8741	12.2200	0.0417	5.4973	0.0246	5.5218	1.4608	0.0226	1.4834	0.0000	3,822.784 9	3,822.784 9	0.0903	0.0956	3,853.540 5
Total	1.6207	7.1973	14.3969	0.0696	6.4800	0.0627	6.5427	1.7445	0.0591	1.8036	0.0000	6,572.132 6	6,572.132 6	0.1890	0.4935	6,723.914 3

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1537	6.3232	2.1769	0.0279	0.9827	0.0382	1.0209	0.2838	0.0365	0.3202	0.0000	2,749.3477	2,749.3477	0.0986	0.3979	2,870.3738
Worker	1.4670	0.8741	12.2200	0.0417	5.4973	0.0246	5.5218	1.4608	0.0226	1.4834	0.0000	3,822.7849	3,822.7849	0.0903	0.0956	3,853.5405
Total	1.6207	7.1973	14.3969	0.0696	6.4800	0.0627	6.5427	1.7445	0.0591	1.8036	0.0000	6,572.1326	6,572.1326	0.1890	0.4935	6,723.9143

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	tons/yr										MT/yr					
Off-Road	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671
Total	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1501	6.2433	2.1551	0.0272	0.9790	0.0377	1.0167	0.2827	0.0361	0.3187	0.0000	2,683.9917	2,683.9917	0.1005	0.3882	2,802.1905
Worker	1.3822	0.8044	11.6038	0.0404	5.4762	0.0228	5.4991	1.4552	0.0210	1.4762	0.0000	3,705.8866	3,705.8866	0.0831	0.0911	3,735.1062
Total	1.5324	7.0478	13.7589	0.0676	6.4552	0.0605	6.5157	1.7379	0.0571	1.7949	0.0000	6,389.8784	6,389.8784	0.1836	0.4793	6,537.2968

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667
Total	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1501	6.2433	2.1551	0.0272	0.9790	0.0377	1.0167	0.2827	0.0361	0.3187	0.0000	2,683.9917	2,683.9917	0.1005	0.3882	2,802.1905
Worker	1.3822	0.8044	11.6038	0.0404	5.4762	0.0228	5.4991	1.4552	0.0210	1.4762	0.0000	3,705.8866	3,705.8866	0.0831	0.0911	3,735.1062
Total	1.5324	7.0478	13.7589	0.0676	6.4552	0.0605	6.5157	1.7379	0.0571	1.7949	0.0000	6,389.8784	6,389.8784	0.1836	0.4793	6,537.2968

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	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1480	6.1999	2.1510	0.0267	0.9828	0.0375	1.0202	0.2838	0.0358	0.3196	0.0000	2,638.9805	2,638.9805	0.1030	0.3815	2,755.2417
Worker	1.3091	0.7493	11.1396	0.0396	5.4973	0.0214	5.5187	1.4608	0.0197	1.4805	0.0000	3,628.2054	3,628.2054	0.0773	0.0878	3,656.3035
Total	1.4571	6.9493	13.2906	0.0663	6.4800	0.0588	6.5389	1.7445	0.0555	1.8001	0.0000	6,267.1859	6,267.1859	0.1803	0.4693	6,411.5452

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1480	6.1999	2.1510	0.0267	0.9828	0.0375	1.0202	0.2838	0.0358	0.3196	0.0000	2,638.9805	2,638.9805	0.1030	0.3815	2,755.2417
Worker	1.3091	0.7493	11.1396	0.0396	5.4973	0.0214	5.5187	1.4608	0.0197	1.4805	0.0000	3,628.2054	3,628.2054	0.0773	0.0878	3,656.3035
Total	1.4571	6.9493	13.2906	0.0663	6.4800	0.0588	6.5389	1.7445	0.0555	1.8001	0.0000	6,267.1859	6,267.1859	0.1803	0.4693	6,411.5452

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	tons/yr										MT/yr					
Off-Road	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777
Total	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1458	6.1541	2.1438	0.0262	0.9828	0.0372	1.0199	0.2838	0.0356	0.3193	0.0000	2,590.310 7	2,590.310 7	0.1050	0.3743	2,704.481 9
Worker	1.2320	0.6976	10.6943	0.0387	5.4973	0.0200	5.5172	1.4608	0.0184	1.4792	0.0000	3,546.168 7	3,546.168 7	0.0717	0.0847	3,573.190 1
Total	1.3778	6.8517	12.8382	0.0649	6.4800	0.0572	6.5372	1.7445	0.0539	1.7985	0.0000	6,136.479 4	6,136.479 4	0.1768	0.4590	6,277.672 0

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773
Total	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1458	6.1541	2.1438	0.0262	0.9828	0.0372	1.0199	0.2838	0.0356	0.3193	0.0000	2,590.310 7	2,590.310 7	0.1050	0.3743	2,704.481 9
Worker	1.2320	0.6976	10.6943	0.0387	5.4973	0.0200	5.5172	1.4608	0.0184	1.4792	0.0000	3,546.168 7	3,546.168 7	0.0717	0.0847	3,573.190 1
Total	1.3778	6.8517	12.8382	0.0649	6.4800	0.0572	6.5372	1.7445	0.0539	1.7985	0.0000	6,136.479 4	6,136.479 4	0.1768	0.4590	6,277.672 0

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	tons/yr										MT/yr					
Off-Road	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777
Total	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1442	6.1262	2.1408	0.0258	0.9828	0.0370	1.0197	0.2838	0.0354	0.3191	0.0000	2,548.121 4	2,548.121 4	0.1066	0.3682	2,660.518 8
Worker	1.1558	0.6512	10.2954	0.0379	5.4973	0.0186	5.5159	1.4608	0.0172	1.4779	0.0000	3,473.259 7	3,473.259 7	0.0667	0.0819	3,499.336 6
Total	1.3000	6.7775	12.4362	0.0636	6.4800	0.0556	6.5357	1.7446	0.0525	1.7971	0.0000	6,021.381 0	6,021.381 0	0.1733	0.4501	6,159.855 5

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773
Total	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1442	6.1262	2.1408	0.0258	0.9828	0.0370	1.0197	0.2838	0.0354	0.3191	0.0000	2,548.1214	2,548.1214	0.1066	0.3682	2,660.5188
Worker	1.1558	0.6512	10.2954	0.0379	5.4973	0.0186	5.5159	1.4608	0.0172	1.4779	0.0000	3,473.2597	3,473.2597	0.0667	0.0819	3,499.3366
Total	1.3000	6.7775	12.4362	0.0636	6.4800	0.0556	6.5357	1.7446	0.0525	1.7971	0.0000	6,021.3810	6,021.3810	0.1733	0.4501	6,159.8555

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	tons/yr										MT/yr					
Off-Road	0.1715	1.0394	2.1166	4.0600e-003		0.0194	0.0194		0.0194	0.0194	0.0000	344.3479	344.3479	0.0138	0.0000	344.6933
Total	0.1715	1.0394	2.1166	4.0600e-003		0.0194	0.0194		0.0194	0.0194	0.0000	344.3479	344.3479	0.0138	0.0000	344.6933

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1435	6.1285	2.1499	0.0255	0.9865	0.0369	1.0235	0.2849	0.0353	0.3202	0.0000	2,520.790 0	2,520.790 0	0.1085	0.3643	2,632.072 4
Worker	1.0906	0.6146	9.9863	0.0373	5.5183	0.0175	5.5358	1.4664	0.0161	1.4825	0.0000	3,421.952 9	3,421.952 9	0.0625	0.0799	3,447.331 4
Total	1.2341	6.7431	12.1361	0.0628	6.5049	0.0544	6.5593	1.7512	0.0514	1.8027	0.0000	5,942.742 9	5,942.742 9	0.1709	0.4443	6,079.403 9

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1715	1.0394	2.1166	4.0600e-003		0.0194	0.0194		0.0194	0.0194	0.0000	344.3475	344.3475	0.0138	0.0000	344.6929
Total	0.1715	1.0394	2.1166	4.0600e-003		0.0194	0.0194		0.0194	0.0194	0.0000	344.3475	344.3475	0.0138	0.0000	344.6929

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1435	6.1285	2.1499	0.0255	0.9865	0.0369	1.0235	0.2849	0.0353	0.3202	0.0000	2,520.790 0	2,520.790 0	0.1085	0.3643	2,632.072 4
Worker	1.0906	0.6146	9.9863	0.0373	5.5183	0.0175	5.5358	1.4664	0.0161	1.4825	0.0000	3,421.952 9	3,421.952 9	0.0625	0.0799	3,447.331 4
Total	1.2341	6.7431	12.1361	0.0628	6.5049	0.0544	6.5593	1.7512	0.0514	1.8027	0.0000	5,942.742 9	5,942.742 9	0.1709	0.4443	6,079.403 9

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	tons/yr										MT/yr					
Off-Road	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621
Total	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1416	6.0638	2.1371	0.0249	0.9790	0.0365	1.0155	0.2827	0.0349	0.3176	0.0000	2,468.658 3	2,468.658 3	0.1089	0.3569	2,577.737 0
Worker	1.0207	0.5780	9.6105	0.0364	5.4762	0.0163	5.4925	1.4552	0.0150	1.4702	0.0000	3,339.558 2	3,339.558 2	0.0581	0.0774	3,364.083 7
Total	1.1623	6.6417	11.7476	0.0613	6.4552	0.0528	6.5080	1.7379	0.0499	1.7877	0.0000	5,808.216 5	5,808.216 5	0.1671	0.4343	5,941.820 7

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617
Total	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1416	6.0638	2.1371	0.0249	0.9790	0.0365	1.0155	0.2827	0.0349	0.3176	0.0000	2,468.658 3	2,468.658 3	0.1089	0.3569	2,577.737 0
Worker	1.0207	0.5780	9.6105	0.0364	5.4762	0.0163	5.4925	1.4552	0.0150	1.4702	0.0000	3,339.558 2	3,339.558 2	0.0581	0.0774	3,364.083 7
Total	1.1623	6.6417	11.7476	0.0613	6.4552	0.0528	6.5080	1.7379	0.0499	1.7877	0.0000	5,808.216 5	5,808.216 5	0.1671	0.4343	5,941.820 7

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	tons/yr										MT/yr					
Off-Road	0.0504	0.3055	0.6220	1.1900e-003		5.7000e-003	5.7000e-003		5.7000e-003	5.7000e-003	0.0000	101.2015	101.2015	4.0600e-003	0.0000	101.3030
Total	0.0504	0.3055	0.6220	1.1900e-003		5.7000e-003	5.7000e-003		5.7000e-003	5.7000e-003	0.0000	101.2015	101.2015	4.0600e-003	0.0000	101.3030

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0417	1.7904	0.6342	7.2900e-003	0.2899	0.0108	0.3007	0.0837	0.0103	0.0940	0.0000	722.2570	722.2570	0.0326	0.1045	754.1988
Worker	0.2858	0.1633	2.7660	0.0106	1.6218	4.5200e-003	1.6263	0.4310	4.1600e-003	0.4351	0.0000	974.4326	974.4326	0.0162	0.0225	981.5306
Total	0.3276	1.9537	3.4002	0.0179	1.9117	0.0153	1.9270	0.5147	0.0144	0.5291	0.0000	1,696.6895	1,696.6895	0.0488	0.1269	1,735.7294

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0504	0.3055	0.6220	1.1900e-003		5.7000e-003	5.7000e-003		5.7000e-003	5.7000e-003	0.0000	101.2014	101.2014	4.0600e-003	0.0000	101.3029
Total	0.0504	0.3055	0.6220	1.1900e-003		5.7000e-003	5.7000e-003		5.7000e-003	5.7000e-003	0.0000	101.2014	101.2014	4.0600e-003	0.0000	101.3029

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0417	1.7904	0.6342	7.2900e-003	0.2899	0.0108	0.3007	0.0837	0.0103	0.0940	0.0000	722.2570	722.2570	0.0326	0.1045	754.1988
Worker	0.2858	0.1633	2.7660	0.0106	1.6218	4.5200e-003	1.6263	0.4310	4.1600e-003	0.4351	0.0000	974.4326	974.4326	0.0162	0.0225	981.5306
Total	0.3276	1.9537	3.4002	0.0179	1.9117	0.0153	1.9270	0.5147	0.0144	0.5291	0.0000	1,696.6895	1,696.6895	0.0488	0.1269	1,735.7294

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	tons/yr										MT/yr					
Off-Road	0.1267	0.6515	1.4502	2.5700e-003		0.0303	0.0303		0.0303	0.0303	0.0000	220.5106	220.5106	0.0103	0.0000	220.7690
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1267	0.6515	1.4502	2.5700e-003		0.0303	0.0303		0.0303	0.0303	0.0000	220.5106	220.5106	0.0103	0.0000	220.7690

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9400e-003	1.1100e-003	0.0188	7.0000e-005	0.0110	3.0000e-005	0.0110	2.9200e-003	3.0000e-005	2.9500e-003	0.0000	6.6130	6.6130	1.1000e-004	1.5000e-004	6.6611
Total	1.9400e-003	1.1100e-003	0.0188	7.0000e-005	0.0110	3.0000e-005	0.0110	2.9200e-003	3.0000e-005	2.9500e-003	0.0000	6.6130	6.6130	1.1000e-004	1.5000e-004	6.6611

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1267	0.6515	1.4502	2.5700e-003		0.0303	0.0303		0.0303	0.0303	0.0000	220.5103	220.5103	0.0103	0.0000	220.7687
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1267	0.6515	1.4502	2.5700e-003		0.0303	0.0303		0.0303	0.0303	0.0000	220.5103	220.5103	0.0103	0.0000	220.7687

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9400e-003	1.1100e-003	0.0188	7.0000e-005	0.0110	3.0000e-005	0.0110	2.9200e-003	3.0000e-005	2.9500e-003	0.0000	6.6130	6.6130	1.1000e-004	1.5000e-004	6.6611
Total	1.9400e-003	1.1100e-003	0.0188	7.0000e-005	0.0110	3.0000e-005	0.0110	2.9200e-003	3.0000e-005	2.9500e-003	0.0000	6.6130	6.6130	1.1000e-004	1.5000e-004	6.6611

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	tons/yr										MT/yr					
Off-Road	0.0211	0.0902	0.2927	5.2000e-004		3.4700e-003	3.4700e-003		3.4700e-003	3.4700e-003	0.0000	44.5841	44.5841	1.7200e-003	0.0000	44.6270
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0211	0.0902	0.2927	5.2000e-004		3.4700e-003	3.4700e-003		3.4700e-003	3.4700e-003	0.0000	44.5841	44.5841	1.7200e-003	0.0000	44.6270

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-004	2.2000e-004	3.7000e-003	1.0000e-005	2.2300e-003	1.0000e-005	2.2300e-003	5.9000e-004	1.0000e-005	6.0000e-004	0.0000	1.3197	1.3197	2.0000e-005	3.0000e-005	1.3293
Total	3.7000e-004	2.2000e-004	3.7000e-003	1.0000e-005	2.2300e-003	1.0000e-005	2.2300e-003	5.9000e-004	1.0000e-005	6.0000e-004	0.0000	1.3197	1.3197	2.0000e-005	3.0000e-005	1.3293

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0211	0.0902	0.2927	5.2000e-004		3.4700e-003	3.4700e-003		3.4700e-003	3.4700e-003	0.0000	44.5841	44.5841	1.7200e-003	0.0000	44.6269
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0211	0.0902	0.2927	5.2000e-004		3.4700e-003	3.4700e-003		3.4700e-003	3.4700e-003	0.0000	44.5841	44.5841	1.7200e-003	0.0000	44.6269

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-004	2.2000e-004	3.7000e-003	1.0000e-005	2.2300e-003	1.0000e-005	2.2300e-003	5.9000e-004	1.0000e-005	6.0000e-004	0.0000	1.3197	1.3197	2.0000e-005	3.0000e-005	1.3293
Total	3.7000e-004	2.2000e-004	3.7000e-003	1.0000e-005	2.2300e-003	1.0000e-005	2.2300e-003	5.9000e-004	1.0000e-005	6.0000e-004	0.0000	1.3197	1.3197	2.0000e-005	3.0000e-005	1.3293

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	tons/yr										MT/yr					
Archit. Coating	125.4684					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0130	0.0834	0.1974	3.3000e-004		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	28.0858	28.0858	1.0400e-003	0.0000	28.1117
Total	125.4814	0.0834	0.1974	3.3000e-004		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	28.0858	28.0858	1.0400e-003	0.0000	28.1117

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1550	0.0898	1.5422	6.0000e-003	0.9271	2.4300e-003	0.9295	0.2464	2.2400e-003	0.2486	0.0000	549.8201	549.8201	8.7200e-003	0.0126	553.8025
Total	0.1550	0.0898	1.5422	6.0000e-003	0.9271	2.4300e-003	0.9295	0.2464	2.2400e-003	0.2486	0.0000	549.8201	549.8201	8.7200e-003	0.0126	553.8025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	125.4684					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0130	0.0834	0.1974	3.3000e-004		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	28.0858	28.0858	1.0400e-003	0.0000	28.1117
Total	125.4814	0.0834	0.1974	3.3000e-004		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	28.0858	28.0858	1.0400e-003	0.0000	28.1117

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1550	0.0898	1.5422	6.0000e-003	0.9271	2.4300e-003	0.9295	0.2464	2.2400e-003	0.2486	0.0000	549.8201	549.8201	8.7200e-003	0.0126	553.8025
Total	0.1550	0.0898	1.5422	6.0000e-003	0.9271	2.4300e-003	0.9295	0.2464	2.2400e-003	0.2486	0.0000	549.8201	549.8201	8.7200e-003	0.0126	553.8025

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	24.0011	21.1088	203.3129	0.3782	50.7482	0.2337	50.9818	13.5412	0.2180	13.7592	0.0000	35,052.65 27	35,052.65 27	2.9793	1.8880	35,689.75 13
Unmitigated	24.0011	21.1088	203.3129	0.3782	50.7482	0.2337	50.9818	13.5412	0.2180	13.7592	0.0000	35,052.65 27	35,052.65 27	2.9793	1.8880	35,689.75 13

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
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

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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
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, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	11,833.2763	11,833.2763	0.7232	0.0877	11,877.4774
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	11,833.2763	11,833.2763	0.7232	0.0877	11,877.4774
NaturalGas Mitigated	0.3828	3.3207	1.7558	0.0209		0.2645	0.2645		0.2645	0.2645	0.0000	3,788.3061	3,788.3061	0.0726	0.0695	3,810.8181
NaturalGas Unmitigated	0.3828	3.3207	1.7558	0.0209		0.2645	0.2645		0.2645	0.2645	0.0000	3,788.3061	3,788.3061	0.0726	0.0695	3,810.8181

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	4.01347e+007	0.2164	1.8493	0.7870	0.0118		0.1495	0.1495		0.1495	0.1495	0.0000	2,141.7400	2,141.7400	0.0411	0.0393	2,154.4673
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	5.50525e+006	0.0297	0.2699	0.2267	1.6200e-003		0.0205	0.0205		0.0205	0.0205	0.0000	293.7809	293.7809	5.6300e-003	5.3900e-003	295.5267
Library	1.41788e+006	7.6500e-003	0.0695	0.0584	4.2000e-004		5.2800e-003	5.2800e-003		5.2800e-003	5.2800e-003	0.0000	75.6636	75.6636	1.4500e-003	1.3900e-003	76.1132
Medical Office Building	7.67029e+006	0.0414	0.3760	0.3158	2.2600e-003		0.0286	0.0286		0.0286	0.0286	0.0000	409.3158	409.3158	7.8500e-003	7.5000e-003	411.7482
Single Family Housing	1.39848e+007	0.0754	0.6444	0.2742	4.1100e-003		0.0521	0.0521		0.0521	0.0521	0.0000	746.2818	746.2818	0.0143	0.0137	750.7166
Strip Mall	2.27728e+006	0.0123	0.1116	0.0938	6.7000e-004		8.4800e-003	8.4800e-003		8.4800e-003	8.4800e-003	0.0000	121.5241	121.5241	2.3300e-003	2.2300e-003	122.2463
Total		0.3828	3.3207	1.7558	0.0209		0.2645	0.2645		0.2645	0.2645	0.0000	3,788.3061	3,788.3061	0.0726	0.0695	3,810.8181

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	4.01347e+007	0.2164	1.8493	0.7870	0.0118		0.1495	0.1495		0.1495	0.1495	0.0000	2,141.7400	2,141.7400	0.0411	0.0393	2,154.4673
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	5.50525e+006	0.0297	0.2699	0.2267	1.6200e-003		0.0205	0.0205		0.0205	0.0205	0.0000	293.7809	293.7809	5.6300e-003	5.3900e-003	295.5267
Library	1.41788e+006	7.6500e-003	0.0695	0.0584	4.2000e-004		5.2800e-003	5.2800e-003		5.2800e-003	5.2800e-003	0.0000	75.6636	75.6636	1.4500e-003	1.3900e-003	76.1132
Medical Office Building	7.67029e+006	0.0414	0.3760	0.3158	2.2600e-003		0.0286	0.0286		0.0286	0.0286	0.0000	409.3158	409.3158	7.8500e-003	7.5000e-003	411.7482
Single Family Housing	1.39848e+007	0.0754	0.6444	0.2742	4.1100e-003		0.0521	0.0521		0.0521	0.0521	0.0000	746.2818	746.2818	0.0143	0.0137	750.7166
Strip Mall	2.27728e+006	0.0123	0.1116	0.0938	6.7000e-004		8.4800e-003	8.4800e-003		8.4800e-003	8.4800e-003	0.0000	121.5241	121.5241	2.3300e-003	2.2300e-003	122.2463
Total		0.3828	3.3207	1.7558	0.0209		0.2645	0.2645		0.2645	0.2645	0.0000	3,788.3061	3,788.3061	0.0726	0.0695	3,810.8181

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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

5.3 Energy by Land Use - Electricity

Unmitigated

Land Use	Electricity Use kWh/yr	Total CO2 MT/yr	CH4 MT/yr	N2O MT/yr	CO2e MT/yr
Apartments Mid Rise	2.11822e+007	5,188.1764	0.3171	0.0384	5,207.5559
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	3.55656e+006	871.1109	0.0532	6.4500e-003	874.3648
Library	1.00679e+006	246.5950	0.0151	1.8300e-003	247.5161
Medical Office Building	4.95524e+006	1,213.6918	0.0742	8.9900e-003	1,218.2254
Single Family Housing	5.07665e+006	1,243.4270	0.0760	9.2100e-003	1,248.0716
Strip Mall	1.25353e+007	3,070.2753	0.1876	0.0227	3,081.7438
Total		11,833.2763	0.7232	0.0877	11,877.4774

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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

5.3 Energy by Land Use - Electricity

Mitigated

Land Use	Electricity Use kWh/yr	Total CO2 MT/yr	CH4 MT/yr	N2O MT/yr	CO2e MT/yr
Apartments Mid Rise	2.11822e+007	5,188.1764	0.3171	0.0384	5,207.5559
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	3.55656e+006	871.1109	0.0532	6.4500e-003	874.3648
Library	1.00679e+006	246.5950	0.0151	1.8300e-003	247.5161
Medical Office Building	4.95524e+006	1,213.6918	0.0742	8.9900e-003	1,218.2254
Single Family Housing	5.07665e+006	1,243.4270	0.0760	9.2100e-003	1,248.0716
Strip Mall	1.25353e+007	3,070.2753	0.1876	0.0227	3,081.7438
Total		11,833.2763	0.7232	0.0877	11,877.4774

6.0 Area Detail

6.1 Mitigation Measures Area

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	47.1254	0.9453	45.8025	5.0900e-003		0.2877	0.2877		0.2877	0.2877	0.0000	559.9869	559.9869	0.0806	8.9000e-003	564.6515
Unmitigated	47.1254	0.9453	45.8025	5.0900e-003		0.2877	0.2877		0.2877	0.2877	0.0000	559.9869	559.9869	0.0806	8.9000e-003	564.6515

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	12.5468					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	33.1643					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0490	0.4190	0.1783	2.6700e-003		0.0339	0.0339		0.0339	0.0339	0.0000	485.1923	485.1923	9.3000e-003	8.9000e-003	488.0755
Landscaping	1.3652	0.5263	45.6243	2.4200e-003		0.2539	0.2539		0.2539	0.2539	0.0000	74.7946	74.7946	0.0713	0.0000	76.5760
Total	47.1254	0.9453	45.8025	5.0900e-003		0.2877	0.2877		0.2877	0.2877	0.0000	559.9869	559.9869	0.0806	8.9000e-003	564.6515

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	12.5468					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	33.1643					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0490	0.4190	0.1783	2.6700e-003		0.0339	0.0339		0.0339	0.0339	0.0000	485.1923	485.1923	9.3000e-003	8.9000e-003	488.0755
Landscaping	1.3652	0.5263	45.6243	2.4200e-003		0.2539	0.2539		0.2539	0.2539	0.0000	74.7946	74.7946	0.0713	0.0000	76.5760
Total	47.1254	0.9453	45.8025	5.0900e-003		0.2877	0.2877		0.2877	0.2877	0.0000	559.9869	559.9869	0.0806	8.9000e-003	564.6515

7.0 Water Detail

7.1 Mitigation Measures Water

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	3,047.4929	19.0204	0.4662	3,661.9303
Unmitigated	3,047.4929	19.0204	0.4662	3,661.9303

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	359.39 / 226.572	1,876.7416	11.8184	0.2896	2,258.4954
City Park	0 / 29.787	81.0559	4.9500e-003	6.0000e-004	81.3587
General Office Building	48.8501 / 29.9404	252.7661	1.6063	0.0393	304.6474
Library	3.85104 / 6.02342	29.8945	0.1272	3.1800e-003	34.0217
Medical Office Building	48.0515 / 9.15267	193.3986	1.5767	0.0383	244.2254
Single Family Housing	42.2198 / 26.6168	220.4729	1.3884	0.0340	265.3200
Strip Mall	75.9836 / 46.5706	393.1633	2.4985	0.0612	473.8617
Total		3,047.4929	19.0204	0.4662	3,661.9303

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	359.39 / 226.572	1,876.7416	11.8184	0.2896	2,258.4954
City Park	0 / 29.787	81.0559	4.9500e-003	6.0000e-004	81.3587
General Office Building	48.8501 / 29.9404	252.7661	1.6063	0.0393	304.6474
Library	3.85104 / 6.02342	29.8945	0.1272	3.1800e-003	34.0217
Medical Office Building	48.0515 / 9.15267	193.3986	1.5767	0.0383	244.2254
Single Family Housing	42.2198 / 26.6168	220.4729	1.3884	0.0340	265.3200
Strip Mall	75.9836 / 46.5706	393.1633	2.4985	0.0612	473.8617
Total		3,047.4929	19.0204	0.4662	3,661.9303

8.0 Waste Detail

8.1 Mitigation Measures Waste

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1,802.7709	106.5407	0.0000	4,466.2885
Unmitigated	1,802.7709	106.5407	0.0000	4,466.2885

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	2537.36	515.0612	30.4392	0.0000	1,276.0422
City Park	2.15	0.4364	0.0258	0.0000	1.0812
General Office Building	255.61	51.8865	3.0664	0.0000	128.5467
Library	113.35	23.0090	1.3598	0.0000	57.0039
Medical Office Building	4135.75	839.5199	49.6142	0.0000	2,079.8750
Single Family Housing	759.73	154.2183	9.1140	0.0000	382.0694
Strip Mall	1077.09	218.6395	12.9212	0.0000	541.6702
Total		1,802.7709	106.5407	0.0000	4,466.2885

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	2537.36	515.0612	30.4392	0.0000	1,276.0422
City Park	2.15	0.4364	0.0258	0.0000	1.0812
General Office Building	255.61	51.8865	3.0664	0.0000	128.5467
Library	113.35	23.0090	1.3598	0.0000	57.0039
Medical Office Building	4135.75	839.5199	49.6142	0.0000	2,079.8750
Single Family Housing	759.73	154.2183	9.1140	0.0000	382.0694
Strip Mall	1077.09	218.6395	12.9212	0.0000	541.6702
Total		1,802.7709	106.5407	0.0000	4,466.2885

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
----------------	--------	-----------	------------	-------------	-------------	-----------

Escondido EVSP_Proposed Op - San Diego Air Basin, Annual

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

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, Annual

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, Annual

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, Annual

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, Annual

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

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	3.4391	2.3806	2.1930	4.9900e-003	0.4120	0.1097	0.5218	0.1531	0.1025	0.2555	0.0000	449.2680	449.2680	0.0752	0.0148	455.5670
2022	3.7381	1.2296	1.6483	3.8900e-003	0.1783	0.0556	0.2339	0.0479	0.0525	0.1004	0.0000	351.9582	351.9582	0.0429	0.0134	357.0120
Maximum	3.7381	2.3806	2.1930	4.9900e-003	0.4120	0.1097	0.5218	0.1531	0.1025	0.2555	0.0000	449.2680	449.2680	0.0752	0.0148	455.5670

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	3.4391	2.3806	2.1930	4.9900e-003	0.4120	0.1097	0.5218	0.1531	0.1025	0.2555	0.0000	449.2677	449.2677	0.0752	0.0148	455.5666
2022	3.7381	1.2296	1.6483	3.8900e-003	0.1783	0.0556	0.2339	0.0479	0.0525	0.1004	0.0000	351.9580	351.9580	0.0429	0.0134	357.0118
Maximum	3.7381	2.3806	2.1930	4.9900e-003	0.4120	0.1097	0.5218	0.1531	0.1025	0.2555	0.0000	449.2677	449.2677	0.0752	0.0148	455.5666

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

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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	0.01	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-1-2021	8-31-2021	1.6456	1.6456
2	9-1-2021	11-30-2021	3.0720	3.0720
3	12-1-2021	2-28-2022	2.9764	2.9764
4	3-1-2022	5-31-2022	2.9729	2.9729
5	6-1-2022	8-31-2022	0.1186	0.1186
		Highest	3.0720	3.0720

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	25.8263	0.4877	31.5782	0.0524		4.0551	4.0551		4.0551	4.0551	384.2603	165.6660	549.9263	0.3590	0.0302	567.9074
Energy	0.0190	0.1641	0.0790	1.0400e-003		0.0132	0.0132		0.0132	0.0132	0.0000	707.5475	707.5475	0.0353	7.3000e-003	710.6064
Mobile	1.8784	2.1624	16.5822	0.0327	3.2415	0.0295	3.2710	0.8652	0.0276	0.8928	0.0000	3,032.6343	3,032.6343	0.2346	0.1475	3,082.4405
Waste						0.0000	0.0000		0.0000	0.0000	48.5230	0.0000	48.5230	2.8676	0.0000	120.2136
Water						0.0000	0.0000		0.0000	0.0000	9.2482	148.7966	158.0448	0.9590	0.0235	189.0314
Total	27.7237	2.8142	48.2395	0.0860	3.2415	4.0977	7.3392	0.8652	4.0958	4.9610	442.0315	4,054.6444	4,496.6758	4.4554	0.2085	4,670.1993

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

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	25.8263	0.4877	31.5782	0.0524		4.0551	4.0551		4.0551	4.0551	384.2603	165.6660	549.9263	0.3590	0.0302	567.9074
Energy	0.0190	0.1641	0.0790	1.0400e-003		0.0132	0.0132		0.0132	0.0132	0.0000	707.5475	707.5475	0.0353	7.3000e-003	710.6064
Mobile	1.8784	2.1624	16.5822	0.0327	3.2415	0.0295	3.2710	0.8652	0.0276	0.8928	0.0000	3,032.6343	3,032.6343	0.2346	0.1475	3,082.4405
Waste						0.0000	0.0000		0.0000	0.0000	48.5230	0.0000	48.5230	2.8676	0.0000	120.2136
Water						0.0000	0.0000		0.0000	0.0000	9.2482	148.7966	158.0448	0.9590	0.0235	189.0314
Total	27.7237	2.8142	48.2395	0.0860	3.2415	4.0977	7.3392	0.8652	4.0958	4.9610	442.0315	4,054.6444	4,496.6758	4.4554	0.2085	4,670.1993

	ROG	NOx	CO	SO2	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	

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

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

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
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

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

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

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

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	tons/yr										MT/yr					
Fugitive Dust					0.0512	0.0000	0.0512	7.7500e-003	0.0000	7.7500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.3144	0.2157	3.9000e-004		0.0155	0.0155		0.0144	0.0144	0.0000	34.0008	34.0008	9.5700e-003	0.0000	34.2400
Total	0.0317	0.3144	0.2157	3.9000e-004	0.0512	0.0155	0.0667	7.7500e-003	0.0144	0.0222	0.0000	34.0008	34.0008	9.5700e-003	0.0000	34.2400

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

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

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.7000e-003	0.0465	0.0108	1.5000e-004	4.0000e-003	6.7000e-004	4.6700e-003	1.1000e-003	6.4000e-004	1.7400e-003	0.0000	15.0522	15.0522	7.1000e-004	2.3900e-003	15.7818
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6000e-004	3.5000e-004	3.9900e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.0159	1.0159	3.0000e-005	3.0000e-005	1.0259
Total	2.1600e-003	0.0468	0.0148	1.6000e-004	5.2000e-003	6.8000e-004	5.8800e-003	1.4200e-003	6.5000e-004	2.0700e-003	0.0000	16.0681	16.0681	7.4000e-004	2.4200e-003	16.8078

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0512	0.0000	0.0512	7.7500e-003	0.0000	7.7500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.3144	0.2157	3.9000e-004		0.0155	0.0155		0.0144	0.0144	0.0000	34.0007	34.0007	9.5700e-003	0.0000	34.2400
Total	0.0317	0.3144	0.2157	3.9000e-004	0.0512	0.0155	0.0667	7.7500e-003	0.0144	0.0222	0.0000	34.0007	34.0007	9.5700e-003	0.0000	34.2400

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

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

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.7000e-003	0.0465	0.0108	1.5000e-004	4.0000e-003	6.7000e-004	4.6700e-003	1.1000e-003	6.4000e-004	1.7400e-003	0.0000	15.0522	15.0522	7.1000e-004	2.3900e-003	15.7818
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6000e-004	3.5000e-004	3.9900e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.0159	1.0159	3.0000e-005	3.0000e-005	1.0259
Total	2.1600e-003	0.0468	0.0148	1.6000e-004	5.2000e-003	6.8000e-004	5.8800e-003	1.4200e-003	6.5000e-004	2.0700e-003	0.0000	16.0681	16.0681	7.4000e-004	2.4200e-003	16.8078

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	tons/yr										MT/yr					
Fugitive Dust					0.0983	0.0000	0.0983	0.0505	0.0000	0.0505	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.2025	0.1058	1.9000e-004		0.0102	0.0102		9.4000e-003	9.4000e-003	0.0000	16.7179	16.7179	5.4100e-003	0.0000	16.8530
Total	0.0194	0.2025	0.1058	1.9000e-004	0.0983	0.0102	0.1085	0.0505	9.4000e-003	0.0599	0.0000	16.7179	16.7179	5.4100e-003	0.0000	16.8530

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

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	2.1000e-004	2.3900e-003	1.0000e-005	7.2000e-004	0.0000	7.3000e-004	1.9000e-004	0.0000	2.0000e-004	0.0000	0.6095	0.6095	2.0000e-005	2.0000e-005	0.6156
Total	2.8000e-004	2.1000e-004	2.3900e-003	1.0000e-005	7.2000e-004	0.0000	7.3000e-004	1.9000e-004	0.0000	2.0000e-004	0.0000	0.6095	0.6095	2.0000e-005	2.0000e-005	0.6156

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0983	0.0000	0.0983	0.0505	0.0000	0.0505	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.2025	0.1058	1.9000e-004		0.0102	0.0102		9.4000e-003	9.4000e-003	0.0000	16.7178	16.7178	5.4100e-003	0.0000	16.8530
Total	0.0194	0.2025	0.1058	1.9000e-004	0.0983	0.0102	0.1085	0.0505	9.4000e-003	0.0599	0.0000	16.7178	16.7178	5.4100e-003	0.0000	16.8530

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

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	2.1000e-004	2.3900e-003	1.0000e-005	7.2000e-004	0.0000	7.3000e-004	1.9000e-004	0.0000	2.0000e-004	0.0000	0.6095	0.6095	2.0000e-005	2.0000e-005	0.6156
Total	2.8000e-004	2.1000e-004	2.3900e-003	1.0000e-005	7.2000e-004	0.0000	7.3000e-004	1.9000e-004	0.0000	2.0000e-004	0.0000	0.6095	0.6095	2.0000e-005	2.0000e-005	0.6156

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	tons/yr										MT/yr					
Fugitive Dust					0.0972	0.0000	0.0972	0.0504	0.0000	0.0504	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0629	0.6960	0.4632	9.3000e-004		0.0298	0.0298		0.0274	0.0274	0.0000	81.7425	81.7425	0.0264	0.0000	82.4034
Total	0.0629	0.6960	0.4632	9.3000e-004	0.0972	0.0298	0.1270	0.0504	0.0274	0.0778	0.0000	81.7425	81.7425	0.0264	0.0000	82.4034

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

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

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.3000e-004	7.1000e-004	7.9700e-003	2.0000e-005	2.4100e-003	1.0000e-005	2.4200e-003	6.4000e-004	1.0000e-005	6.5000e-004	0.0000	2.0318	2.0318	7.0000e-005	6.0000e-005	2.0519
Total	9.3000e-004	7.1000e-004	7.9700e-003	2.0000e-005	2.4100e-003	1.0000e-005	2.4200e-003	6.4000e-004	1.0000e-005	6.5000e-004	0.0000	2.0318	2.0318	7.0000e-005	6.0000e-005	2.0519

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0972	0.0000	0.0972	0.0504	0.0000	0.0504	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0629	0.6960	0.4632	9.3000e-004		0.0298	0.0298		0.0274	0.0274	0.0000	81.7424	81.7424	0.0264	0.0000	82.4033
Total	0.0629	0.6960	0.4632	9.3000e-004	0.0972	0.0298	0.1270	0.0504	0.0274	0.0778	0.0000	81.7424	81.7424	0.0264	0.0000	82.4033

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

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

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.3000e-004	7.1000e-004	7.9700e-003	2.0000e-005	2.4100e-003	1.0000e-005	2.4200e-003	6.4000e-004	1.0000e-005	6.5000e-004	0.0000	2.0318	2.0318	7.0000e-005	6.0000e-005	2.0519
Total	9.3000e-004	7.1000e-004	7.9700e-003	2.0000e-005	2.4100e-003	1.0000e-005	2.4200e-003	6.4000e-004	1.0000e-005	6.5000e-004	0.0000	2.0318	2.0318	7.0000e-005	6.0000e-005	2.0519

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	tons/yr										MT/yr					
Off-Road	0.0893	0.8193	0.7790	1.2700e-003		0.0451	0.0451		0.0424	0.0424	0.0000	108.8695	108.8695	0.0263	0.0000	109.5262
Total	0.0893	0.8193	0.7790	1.2700e-003		0.0451	0.0451		0.0424	0.0424	0.0000	108.8695	108.8695	0.0263	0.0000	109.5262

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

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0100	0.1883	0.0603	6.2000e-004	0.0187	3.1700e-003	0.0219	5.4100e-003	3.0300e-003	8.4400e-003	0.0000	60.4056	60.4056	1.9000e-003	8.7900e-003	63.0718
Worker	0.0444	0.0339	0.3822	1.0600e-003	0.1153	7.1000e-004	0.1160	0.0307	6.5000e-004	0.0313	0.0000	97.4047	97.4047	3.2700e-003	2.9600e-003	98.3673
Total	0.0544	0.2222	0.4426	1.6800e-003	0.1341	3.8800e-003	0.1379	0.0361	3.6800e-003	0.0397	0.0000	157.8103	157.8103	5.1700e-003	0.0118	161.4391

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0893	0.8193	0.7790	1.2700e-003		0.0451	0.0451		0.0424	0.0424	0.0000	108.8694	108.8694	0.0263	0.0000	109.5260
Total	0.0893	0.8193	0.7790	1.2700e-003		0.0451	0.0451		0.0424	0.0424	0.0000	108.8694	108.8694	0.0263	0.0000	109.5260

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

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0100	0.1883	0.0603	6.2000e-004	0.0187	3.1700e-003	0.0219	5.4100e-003	3.0300e-003	8.4400e-003	0.0000	60.4056	60.4056	1.9000e-003	8.7900e-003	63.0718
Worker	0.0444	0.0339	0.3822	1.0600e-003	0.1153	7.1000e-004	0.1160	0.0307	6.5000e-004	0.0313	0.0000	97.4047	97.4047	3.2700e-003	2.9600e-003	98.3673
Total	0.0544	0.2222	0.4426	1.6800e-003	0.1341	3.8800e-003	0.1379	0.0361	3.6800e-003	0.0397	0.0000	157.8103	157.8103	5.1700e-003	0.0118	161.4391

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0904	0.8276	0.8673	1.4300e-003		0.0429	0.0429		0.0403	0.0403	0.0000	122.8144	122.8144	0.0294	0.0000	123.5500
Total	0.0904	0.8276	0.8673	1.4300e-003		0.0429	0.0429		0.0403	0.0403	0.0000	122.8144	122.8144	0.0294	0.0000	123.5500

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

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0300e-003	0.1750	0.0573	6.8000e-004	0.0211	1.8400e-003	0.0230	6.1000e-003	1.7600e-003	7.8600e-003	0.0000	66.3155	66.3155	2.0100e-003	9.6300e-003	69.2365
Worker	0.0468	0.0340	0.3987	1.1600e-003	0.1301	7.5000e-004	0.1308	0.0346	6.9000e-004	0.0353	0.0000	106.9576	106.9576	3.3500e-003	3.0900e-003	107.9615
Total	0.0538	0.2090	0.4560	1.8400e-003	0.1512	2.5900e-003	0.1538	0.0407	2.4500e-003	0.0431	0.0000	173.2731	173.2731	5.3600e-003	0.0127	177.1980

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0904	0.8276	0.8673	1.4300e-003		0.0429	0.0429		0.0403	0.0403	0.0000	122.8142	122.8142	0.0294	0.0000	123.5498
Total	0.0904	0.8276	0.8673	1.4300e-003		0.0429	0.0429		0.0403	0.0403	0.0000	122.8142	122.8142	0.0294	0.0000	123.5498

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

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0300e-003	0.1750	0.0573	6.8000e-004	0.0211	1.8400e-003	0.0230	6.1000e-003	1.7600e-003	7.8600e-003	0.0000	66.3155	66.3155	2.0100e-003	9.6300e-003	69.2365
Worker	0.0468	0.0340	0.3987	1.1600e-003	0.1301	7.5000e-004	0.1308	0.0346	6.9000e-004	0.0353	0.0000	106.9576	106.9576	3.3500e-003	3.0900e-003	107.9615
Total	0.0538	0.2090	0.4560	1.8400e-003	0.1512	2.5900e-003	0.1538	0.0407	2.4500e-003	0.0431	0.0000	173.2731	173.2731	5.3600e-003	0.0127	177.1980

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	tons/yr										MT/yr					
Off-Road	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895

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

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

3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	3.1000e-004	3.6900e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9893	0.9893	3.0000e-005	3.0000e-005	0.9985
Total	4.3000e-004	3.1000e-004	3.6900e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9893	0.9893	3.0000e-005	3.0000e-005	0.9985

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895

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

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

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	3.1000e-004	3.6900e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9893	0.9893	3.0000e-005	3.0000e-005	0.9985
Total	4.3000e-004	3.1000e-004	3.6900e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9893	0.9893	3.0000e-005	3.0000e-005	0.9985

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	tons/yr										MT/yr					
Archit. Coating	3.1589					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0103	0.0718	0.0854	1.4000e-004		4.4200e-003	4.4200e-003		4.4200e-003	4.4200e-003	0.0000	12.0003	12.0003	8.2000e-004	0.0000	12.0209
Total	3.1692	0.0718	0.0854	1.4000e-004		4.4200e-003	4.4200e-003		4.4200e-003	4.4200e-003	0.0000	12.0003	12.0003	8.2000e-004	0.0000	12.0209

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

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.8400e-003	6.7600e-003	0.0762	2.1000e-004	0.0230	1.4000e-004	0.0231	6.1100e-003	1.3000e-004	6.2400e-003	0.0000	19.4173	19.4173	6.5000e-004	5.9000e-004	19.6092
Total	8.8400e-003	6.7600e-003	0.0762	2.1000e-004	0.0230	1.4000e-004	0.0231	6.1100e-003	1.3000e-004	6.2400e-003	0.0000	19.4173	19.4173	6.5000e-004	5.9000e-004	19.6092

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.1589					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0103	0.0718	0.0854	1.4000e-004		4.4200e-003	4.4200e-003		4.4200e-003	4.4200e-003	0.0000	12.0003	12.0003	8.2000e-004	0.0000	12.0209
Total	3.1692	0.0718	0.0854	1.4000e-004		4.4200e-003	4.4200e-003		4.4200e-003	4.4200e-003	0.0000	12.0003	12.0003	8.2000e-004	0.0000	12.0209

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

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.8400e-003	6.7600e-003	0.0762	2.1000e-004	0.0230	1.4000e-004	0.0231	6.1100e-003	1.3000e-004	6.2400e-003	0.0000	19.4173	19.4173	6.5000e-004	5.9000e-004	19.6092
Total	8.8400e-003	6.7600e-003	0.0762	2.1000e-004	0.0230	1.4000e-004	0.0231	6.1100e-003	1.3000e-004	6.2400e-003	0.0000	19.4173	19.4173	6.5000e-004	5.9000e-004	19.6092

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	tons/yr										MT/yr					
Archit. Coating	3.5622					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0108	0.0747	0.0961	1.6000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003	0.0000	13.5322	13.5322	8.8000e-004	0.0000	13.5543
Total	3.5730	0.0747	0.0961	1.6000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003	0.0000	13.5322	13.5322	8.8000e-004	0.0000	13.5543

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

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.3300e-003	6.7800e-003	0.0795	2.3000e-004	0.0259	1.5000e-004	0.0261	6.8900e-003	1.4000e-004	7.0300e-003	0.0000	21.3216	21.3216	6.7000e-004	6.2000e-004	21.5217
Total	9.3300e-003	6.7800e-003	0.0795	2.3000e-004	0.0259	1.5000e-004	0.0261	6.8900e-003	1.4000e-004	7.0300e-003	0.0000	21.3216	21.3216	6.7000e-004	6.2000e-004	21.5217

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.5622					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0108	0.0747	0.0961	1.6000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003	0.0000	13.5322	13.5322	8.8000e-004	0.0000	13.5543
Total	3.5730	0.0747	0.0961	1.6000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003	0.0000	13.5322	13.5322	8.8000e-004	0.0000	13.5543

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

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 Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.3300e-003	6.7800e-003	0.0795	2.3000e-004	0.0259	1.5000e-004	0.0261	6.8900e-003	1.4000e-004	7.0300e-003	0.0000	21.3216	21.3216	6.7000e-004	6.2000e-004	21.5217
Total	9.3300e-003	6.7800e-003	0.0795	2.3000e-004	0.0259	1.5000e-004	0.0261	6.8900e-003	1.4000e-004	7.0300e-003	0.0000	21.3216	21.3216	6.7000e-004	6.2000e-004	21.5217

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.8784	2.1624	16.5822	0.0327	3.2415	0.0295	3.2710	0.8652	0.0276	0.8928	0.0000	3,032.6343	3,032.6343	0.2346	0.1475	3,082.4405
Unmitigated	1.8784	2.1624	16.5822	0.0327	3.2415	0.0295	3.2710	0.8652	0.0276	0.8928	0.0000	3,032.6343	3,032.6343	0.2346	0.1475	3,082.4405

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
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

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

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

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	519.0914	519.0914	0.0317	3.8500e-003	521.0304
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	519.0914	519.0914	0.0317	3.8500e-003	521.0304
NaturalGas Mitigated	0.0190	0.1641	0.0790	1.0400e-003		0.0132	0.0132		0.0132	0.0132	0.0000	188.4561	188.4561	3.6100e-003	3.4600e-003	189.5760
NaturalGas Unmitigated	0.0190	0.1641	0.0790	1.0400e-003		0.0132	0.0132		0.0132	0.0132	0.0000	188.4561	188.4561	3.6100e-003	3.4600e-003	189.5760

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

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	2.51751e+006	0.0136	0.1160	0.0494	7.4000e-004		9.3800e-003	9.3800e-003		9.3800e-003	9.3800e-003	0.0000	134.3441	134.3441	2.5700e-003	2.4600e-003	135.1424
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	302745	1.6300e-003	0.0148	0.0125	9.0000e-005		1.1300e-003	1.1300e-003		1.1300e-003	1.1300e-003	0.0000	16.1557	16.1557	3.1000e-004	3.0000e-004	16.2517
Library	90765.3	4.9000e-004	4.4500e-003	3.7400e-003	3.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	4.8436	4.8436	9.0000e-005	9.0000e-005	4.8724
Single Family Housing	561118	3.0300e-003	0.0259	0.0110	1.7000e-004		2.0900e-003	2.0900e-003		2.0900e-003	2.0900e-003	0.0000	29.9434	29.9434	5.7000e-004	5.5000e-004	30.1213
Strip Mall	59392.3	3.2000e-004	2.9100e-003	2.4500e-003	2.0000e-005		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004	0.0000	3.1694	3.1694	6.0000e-005	6.0000e-005	3.1882
Total		0.0190	0.1641	0.0790	1.0500e-003		0.0132	0.0132		0.0132	0.0132	0.0000	188.4561	188.4561	3.6000e-003	3.4600e-003	189.5760

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

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	2.51751e+006	0.0136	0.1160	0.0494	7.4000e-004		9.3800e-003	9.3800e-003		9.3800e-003	9.3800e-003	0.0000	134.3441	134.3441	2.5700e-003	2.4600e-003	135.1424
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	302745	1.6300e-003	0.0148	0.0125	9.0000e-005		1.1300e-003	1.1300e-003		1.1300e-003	1.1300e-003	0.0000	16.1557	16.1557	3.1000e-004	3.0000e-004	16.2517
Library	90765.3	4.9000e-004	4.4500e-003	3.7400e-003	3.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	4.8436	4.8436	9.0000e-005	9.0000e-005	4.8724
Single Family Housing	561118	3.0300e-003	0.0259	0.0110	1.7000e-004		2.0900e-003	2.0900e-003		2.0900e-003	2.0900e-003	0.0000	29.9434	29.9434	5.7000e-004	5.5000e-004	30.1213
Strip Mall	59392.3	3.2000e-004	2.9100e-003	2.4500e-003	2.0000e-005		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004	0.0000	3.1694	3.1694	6.0000e-005	6.0000e-005	3.1882
Total		0.0190	0.1641	0.0790	1.0500e-003		0.0132	0.0132		0.0132	0.0132	0.0000	188.4561	188.4561	3.6000e-003	3.4600e-003	189.5760

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

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

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.32869e+006	325.4367	0.0199	2.4100e-003	326.6523
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	195583	47.9043	2.9300e-003	3.5000e-004	48.0832
Library	64449.6	15.7857	9.6000e-004	1.2000e-004	15.8447
Single Family Housing	203693	49.8906	3.0500e-003	3.7000e-004	50.0770
Strip Mall	326925	80.0741	4.8900e-003	5.9000e-004	80.3732
Total		519.0914	0.0317	3.8400e-003	521.0304

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

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

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.32869e+006	325.4367	0.0199	2.4100e-003	326.6523
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	195583	47.9043	2.9300e-003	3.5000e-004	48.0832
Library	64449.6	15.7857	9.6000e-004	1.2000e-004	15.8447
Single Family Housing	203693	49.8906	3.0500e-003	3.7000e-004	50.0770
Strip Mall	326925	80.0741	4.8900e-003	5.9000e-004	80.3732
Total		519.0914	0.0317	3.8400e-003	521.0304

6.0 Area Detail

6.1 Mitigation Measures Area

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

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	25.8263	0.4877	31.5782	0.0524		4.0551	4.0551		4.0551	4.0551	384.2603	165.6660	549.9263	0.3590	0.0302	567.9074
Unmitigated	25.8263	0.4877	31.5782	0.0524		4.0551	4.0551		4.0551	4.0551	384.2603	165.6660	549.9263	0.3590	0.0302	567.9074

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.6721					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.7291					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	23.3416	0.4558	28.8127	0.0522		4.0398	4.0398		4.0398	4.0398	384.2603	161.1532	545.4134	0.3546	0.0302	563.2857
Landscaping	0.0836	0.0319	2.7656	1.5000e-004		0.0153	0.0153		0.0153	0.0153	0.0000	4.5128	4.5128	4.3600e-003	0.0000	4.6217
Total	25.8263	0.4877	31.5782	0.0524		4.0551	4.0551		4.0551	4.0551	384.2603	165.6660	549.9263	0.3590	0.0302	567.9074

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

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.6721					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.7291					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	23.3416	0.4558	28.8127	0.0522		4.0398	4.0398		4.0398	4.0398	384.2603	161.1532	545.4134	0.3546	0.0302	563.2857
Landscaping	0.0836	0.0319	2.7656	1.5000e-004		0.0153	0.0153		0.0153	0.0153	0.0000	4.5128	4.5128	4.3600e-003	0.0000	4.6217
Total	25.8263	0.4877	31.5782	0.0524		4.0551	4.0551		4.0551	4.0551	384.2603	165.6660	549.9263	0.3590	0.0302	567.9074

7.0 Water Detail

7.1 Mitigation Measures Water

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

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	158.0448	0.9590	0.0235	189.0314
Unmitigated	158.0448	0.9590	0.0235	189.0314

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

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

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	22.5433 / 14.2121	117.7216	0.7413	0.0182	141.6678
City Park	0 / 1.98977	5.4145	3.3000e-004	4.0000e-005	5.4348
General Office Building	2.68556 / 1.64599	13.8959	0.0883	2.1600e-003	16.7481
Library	0.246557 / 0.38564	1.9140	8.1500e-003	2.0000e-004	2.1782
Single Family Housing	1.694 / 1.06796	8.8461	0.0557	1.3600e-003	10.6456
Strip Mall	1.98144 / 1.21443	10.2526	0.0652	1.6000e-003	12.3570
Total		158.0448	0.9590	0.0235	189.0314

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

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

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	22.5433 / 14.2121	117.7216	0.7413	0.0182	141.6678
City Park	0 / 1.98977	5.4145	3.3000e-004	4.0000e-005	5.4348
General Office Building	2.68556 / 1.64599	13.8959	0.0883	2.1600e-003	16.7481
Library	0.246557 / 0.38564	1.9140	8.1500e-003	2.0000e-004	2.1782
Single Family Housing	1.694 / 1.06796	8.8461	0.0557	1.3600e-003	10.6456
Strip Mall	1.98144 / 1.21443	10.2526	0.0652	1.6000e-003	12.3570
Total		158.0448	0.9590	0.0235	189.0314

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

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

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	48.5230	2.8676	0.0000	120.2136
Unmitigated	48.5230	2.8676	0.0000	120.2136

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

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

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	159.16	32.3080	1.9094	0.0000	80.0418
City Park	0.14	0.0284	1.6800e-003	0.0000	0.0704
General Office Building	14.05	2.8520	0.1686	0.0000	7.0658
Library	7.26	1.4737	0.0871	0.0000	3.6511
Single Family Housing	30.34	6.1588	0.3640	0.0000	15.2580
Strip Mall	28.09	5.7020	0.3370	0.0000	14.1265
Total		48.5230	2.8676	0.0000	120.2136

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

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

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	159.16	32.3080	1.9094	0.0000	80.0418
City Park	0.14	0.0284	1.6800e-003	0.0000	0.0704
General Office Building	14.05	2.8520	0.1686	0.0000	7.0658
Library	7.26	1.4737	0.0871	0.0000	3.6511
Single Family Housing	30.34	6.1588	0.3640	0.0000	15.2580
Strip Mall	28.09	5.7020	0.3370	0.0000	14.1265
Total		48.5230	2.8676	0.0000	120.2136

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

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

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

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

User Defined Equipment

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

11.0 Vegetation
