

Appendix 1
Air Quality, Energy, and Greenhouse
Gas Data

Sunset Crossings Residential Project
Initial Study

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Annual

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

**Sunset Crossing TTM 38442 Residential
Riverside-South Coast County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	1.38	Acre	1.38	60,112.80	0
Single Family Housing	108.00	Dwelling Unit	17.12	194,400.00	309

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2026
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - As per the information provided by applicant.

Construction Phase - As per the information provided by applicant.

Grading - As per the information provided by applicant.

Architectural Coating -

Vehicle Trips - The park is not expected to generate any trips.

Woodstoves - The project would comply with SCAQMD Rule 445.

Construction Off-road Equipment Mitigation - The project would comply with SCAQMD Rule 443.

Waste Mitigation - The project would comply with AB345.

Trips and VMT - The project is expected to export approximately 10,000 cubic yard of earthwork material.

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Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	NumDays	300.00	565.00
tblConstructionPhase	NumDays	30.00	132.00
tblConstructionPhase	NumDays	20.00	87.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	91.80	108.00
tblFireplaces	NumberNoFireplace	10.80	0.00
tblFireplaces	NumberWood	5.40	0.00
tblGrading	MaterialExported	0.00	10,000.00
tblLandUse	LotAcreage	35.06	17.12
tblTripsAndVMT	HaulingTripNumber	41,875.00	1,250.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	WD_TR	0.78	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

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

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.1857	1.9381	1.5772	3.7700e-003	0.5597	0.0783	0.6380	0.2088	0.0721	0.2809	0.0000	333.8193	333.8193	0.0967	4.5700e-003	337.6009
2024	0.2112	1.8869	2.3766	4.5900e-003	0.3550	0.0832	0.4382	0.0810	0.0775	0.1586	0.0000	404.6750	404.6750	0.0916	5.9900e-003	408.7485
2025	0.2050	1.7365	2.3633	4.6900e-003	0.1091	0.0700	0.1791	0.0294	0.0659	0.0952	0.0000	412.5611	412.5611	0.0731	8.1800e-003	416.8247
2026	0.7303	1.0303	1.4053	2.7900e-003	0.0660	0.0417	0.1077	0.0178	0.0393	0.0570	0.0000	244.8009	244.8009	0.0428	4.6700e-003	247.2621
Maximum	0.7303	1.9381	2.3766	4.6900e-003	0.5597	0.0832	0.6380	0.2088	0.0775	0.2809	0.0000	412.5611	412.5611	0.0967	8.1800e-003	416.8247

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2.1 Overall Construction

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					
2023	0.1857	1.9381	1.5772	3.7700e-003	0.2512	0.0783	0.3295	0.0925	0.0721	0.1646	0.0000	333.8190	333.8190	0.0967	4.5700e-003	337.6005
2024	0.2112	1.8869	2.3766	4.5900e-003	0.1948	0.0832	0.2780	0.0462	0.0775	0.1238	0.0000	404.6746	404.6746	0.0916	5.9900e-003	408.7481
2025	0.2050	1.7365	2.3633	4.6900e-003	0.1091	0.0700	0.1791	0.0294	0.0659	0.0952	0.0000	412.5607	412.5607	0.0731	8.1800e-003	416.8243
2026	0.7303	1.0303	1.4053	2.7900e-003	0.0660	0.0417	0.1077	0.0178	0.0393	0.0570	0.0000	244.8007	244.8007	0.0428	4.6700e-003	247.2618
Maximum	0.7303	1.9381	2.3766	4.6900e-003	0.2512	0.0832	0.3295	0.0925	0.0775	0.1646	0.0000	412.5607	412.5607	0.0967	8.1800e-003	416.8243

	ROG	NOx	CO	SO2	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	43.01	0.00	34.39	44.86	0.00	25.54	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	8-1-2023	10-31-2023	1.2794	1.2794
2	11-1-2023	1-31-2024	1.2557	1.2557
3	2-1-2024	4-30-2024	0.3405	0.3405
4	5-1-2024	7-31-2024	0.4652	0.4652
5	8-1-2024	10-31-2024	0.5251	0.5251
6	11-1-2024	1-31-2025	0.5135	0.5135
7	2-1-2025	4-30-2025	0.4730	0.4730
8	5-1-2025	7-31-2025	0.4882	0.4882

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9	8-1-2025	10-31-2025	0.4886	0.4886
10	11-1-2025	1-31-2026	0.4890	0.4890
11	2-1-2026	4-30-2026	0.4720	0.4720
12	5-1-2026	7-31-2026	0.4872	0.4872
13	8-1-2026	9-30-2026	0.6323	0.6323
		Highest	1.2794	1.2794

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.7999	0.0352	1.1223	2.0000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	27.7542	27.7542	2.2400e-003	4.8000e-004	27.9518
Energy	0.0165	0.1408	0.0599	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	315.5756	315.5756	0.0160	4.5500e-003	317.3313
Mobile	0.4518	0.7036	4.6768	0.0115	1.3015	9.1100e-003	1.3106	0.3476	8.5400e-003	0.3562	0.0000	1,060.7669	1,060.7669	0.0535	0.0521	1,077.6302
Waste						0.0000	0.0000		0.0000	0.0000	25.7413	0.0000	25.7413	1.5213	0.0000	63.7729
Water						0.0000	0.0000		0.0000	0.0000	2.2324	28.2294	30.4618	0.2317	5.7000e-003	37.9530
Total	1.2682	0.8796	5.8590	0.0126	1.3015	0.0285	1.3299	0.3476	0.0279	0.3755	27.9737	1,432.3260	1,460.2997	1.8247	0.0628	1,524.6393

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.7999	0.0352	1.1223	2.0000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	27.7542	27.7542	2.2400e-003	4.8000e-004	27.9518
Energy	0.0165	0.1408	0.0599	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	315.5756	315.5756	0.0160	4.5500e-003	317.3313
Mobile	0.4518	0.7036	4.6768	0.0115	1.3015	9.1100e-003	1.3106	0.3476	8.5400e-003	0.3562	0.0000	1,060.7669	1,060.7669	0.0535	0.0521	1,077.6302
Waste						0.0000	0.0000		0.0000	0.0000	6.4353	0.0000	6.4353	0.3803	0.0000	15.9432
Water						0.0000	0.0000		0.0000	0.0000	2.2324	28.2294	30.4618	0.2317	5.7000e-003	37.9530
Total	1.2682	0.8796	5.8590	0.0126	1.3015	0.0285	1.3299	0.3476	0.0279	0.3755	8.6677	1,432.3260	1,440.9937	0.6838	0.0628	1,476.8096

	ROG	NOx	CO	SO2	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	69.01	0.00	1.32	62.53	0.00	3.14

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	8/1/2023	1/31/2024	5	132	
2	Paving	Paving	2/1/2024	5/31/2024	5	87	
3	Building Construction	Building Construction	6/1/2024	7/31/2026	5	565	

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4	Architectural Coating	Architectural Coating	8/1/2026	9/18/2026	5	35
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Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 396

Acres of Paving: 0

Residential Indoor: 393,660; Residential Outdoor: 131,220; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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
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
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
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
Grading	8	20.00	0.00	1,250.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

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Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	64.00	21.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

- Replace Ground Cover
- Water Exposed Area
- Water Unpaved Roads
- Reduce Vehicle Speed on Unpaved Roads

3.2 Grading - 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					
Fugitive Dust					0.5388	0.0000	0.5388	0.2032	0.0000	0.2032	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1810	1.8811	1.5288	3.3800e-003		0.0776	0.0776		0.0714	0.0714	0.0000	297.2169	297.2169	0.0961	0.0000	299.6200
Total	0.1810	1.8811	1.5288	3.3800e-003	0.5388	0.0776	0.6165	0.2032	0.0714	0.2746	0.0000	297.2169	297.2169	0.0961	0.0000	299.6200

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3.2 Grading - 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	1.0900e-003	0.0544	0.0143	2.8000e-004	8.9000e-003	6.2000e-004	9.5200e-003	2.4400e-003	6.0000e-004	3.0400e-003	0.0000	27.4916	27.4916	3.9000e-004	4.3300e-003	28.7923
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	3.5400e-003	2.6200e-003	0.0341	1.0000e-004	0.0120	6.0000e-005	0.0120	3.1800e-003	5.0000e-005	3.2300e-003	0.0000	9.1108	9.1108	2.3000e-004	2.4000e-004	9.1886
Total	4.6300e-003	0.0570	0.0484	3.8000e-004	0.0209	6.8000e-004	0.0216	5.6200e-003	6.5000e-004	6.2700e-003	0.0000	36.6024	36.6024	6.2000e-004	4.5700e-003	37.9808

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					0.2303	0.0000	0.2303	0.0869	0.0000	0.0869	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1810	1.8811	1.5288	3.3800e-003		0.0776	0.0776		0.0714	0.0714	0.0000	297.2165	297.2165	0.0961	0.0000	299.6197
Total	0.1810	1.8811	1.5288	3.3800e-003	0.2303	0.0776	0.3080	0.0869	0.0714	0.1583	0.0000	297.2165	297.2165	0.0961	0.0000	299.6197

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3.2 Grading - 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	1.0900e-003	0.0544	0.0143	2.8000e-004	8.9000e-003	6.2000e-004	9.5200e-003	2.4400e-003	6.0000e-004	3.0400e-003	0.0000	27.4916	27.4916	3.9000e-004	4.3300e-003	28.7923
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	3.5400e-003	2.6200e-003	0.0341	1.0000e-004	0.0120	6.0000e-005	0.0120	3.1800e-003	5.0000e-005	3.2300e-003	0.0000	9.1108	9.1108	2.3000e-004	2.4000e-004	9.1886
Total	4.6300e-003	0.0570	0.0484	3.8000e-004	0.0209	6.8000e-004	0.0216	5.6200e-003	6.5000e-004	6.2700e-003	0.0000	36.6024	36.6024	6.2000e-004	4.5700e-003	37.9808

3.2 Grading - 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					
Fugitive Dust					0.2799	0.0000	0.2799	0.0608	0.0000	0.0608	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0370	0.3723	0.3188	7.1000e-004		0.0154	0.0154		0.0141	0.0141	0.0000	62.6975	62.6975	0.0203	0.0000	63.2044
Total	0.0370	0.3723	0.3188	7.1000e-004	0.2799	0.0154	0.2952	0.0608	0.0141	0.0750	0.0000	62.6975	62.6975	0.0203	0.0000	63.2044

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3.2 Grading - 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	2.3000e-004	0.0115	3.0500e-003	6.0000e-005	1.8800e-003	1.3000e-004	2.0100e-003	5.2000e-004	1.2000e-004	6.4000e-004	0.0000	5.7062	5.7062	9.0000e-005	9.0000e-004	5.9764
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	7.0000e-004	4.9000e-004	6.7300e-003	2.0000e-005	2.5300e-003	1.0000e-005	2.5400e-003	6.7000e-004	1.0000e-005	6.8000e-004	0.0000	1.8616	1.8616	4.0000e-005	5.0000e-005	1.8768
Total	9.3000e-004	0.0120	9.7800e-003	8.0000e-005	4.4100e-003	1.4000e-004	4.5500e-003	1.1900e-003	1.3000e-004	1.3200e-003	0.0000	7.5678	7.5678	1.3000e-004	9.5000e-004	7.8532

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					0.1196	0.0000	0.1196	0.0260	0.0000	0.0260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0370	0.3723	0.3188	7.1000e-004		0.0154	0.0154		0.0141	0.0141	0.0000	62.6974	62.6974	0.0203	0.0000	63.2043
Total	0.0370	0.3723	0.3188	7.1000e-004	0.1196	0.0154	0.1350	0.0260	0.0141	0.0401	0.0000	62.6974	62.6974	0.0203	0.0000	63.2043

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3.2 Grading - 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	2.3000e-004	0.0115	3.0500e-003	6.0000e-005	1.8800e-003	1.3000e-004	2.0100e-003	5.2000e-004	1.2000e-004	6.4000e-004	0.0000	5.7062	5.7062	9.0000e-005	9.0000e-004	5.9764
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	7.0000e-004	4.9000e-004	6.7300e-003	2.0000e-005	2.5300e-003	1.0000e-005	2.5400e-003	6.7000e-004	1.0000e-005	6.8000e-004	0.0000	1.8616	1.8616	4.0000e-005	5.0000e-005	1.8768
Total	9.3000e-004	0.0120	9.7800e-003	8.0000e-005	4.4100e-003	1.4000e-004	4.5500e-003	1.1900e-003	1.3000e-004	1.3200e-003	0.0000	7.5678	7.5678	1.3000e-004	9.5000e-004	7.8532

3.3 Paving - 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	0.0430	0.4143	0.6362	9.9000e-004		0.0204	0.0204		0.0188	0.0188	0.0000	87.1154	87.1154	0.0282	0.0000	87.8198
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0430	0.4143	0.6362	9.9000e-004		0.0204	0.0204		0.0188	0.0188	0.0000	87.1154	87.1154	0.0282	0.0000	87.8198

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

3.3 Paving - 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	0.0000	0.0000	0.0000	0.0000	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	1.9800e-003	1.4000e-003	0.0191	6.0000e-005	7.1700e-003	3.0000e-005	7.2000e-003	1.9000e-003	3.0000e-005	1.9300e-003	0.0000	5.2813	5.2813	1.2000e-004	1.3000e-004	5.3244
Total	1.9800e-003	1.4000e-003	0.0191	6.0000e-005	7.1700e-003	3.0000e-005	7.2000e-003	1.9000e-003	3.0000e-005	1.9300e-003	0.0000	5.2813	5.2813	1.2000e-004	1.3000e-004	5.3244

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	0.0430	0.4143	0.6362	9.9000e-004		0.0204	0.0204		0.0188	0.0188	0.0000	87.1153	87.1153	0.0282	0.0000	87.8197
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0430	0.4143	0.6362	9.9000e-004		0.0204	0.0204		0.0188	0.0188	0.0000	87.1153	87.1153	0.0282	0.0000	87.8197

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

3.3 Paving - 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	0.0000	0.0000	0.0000	0.0000	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	1.9800e-003	1.4000e-003	0.0191	6.0000e-005	7.1700e-003	3.0000e-005	7.2000e-003	1.9000e-003	3.0000e-005	1.9300e-003	0.0000	5.2813	5.2813	1.2000e-004	1.3000e-004	5.3244
Total	1.9800e-003	1.4000e-003	0.0191	6.0000e-005	7.1700e-003	3.0000e-005	7.2000e-003	1.9000e-003	3.0000e-005	1.9300e-003	0.0000	5.2813	5.2813	1.2000e-004	1.3000e-004	5.3244

3.4 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	0.1118	1.0217	1.2287	2.0500e-003		0.0466	0.0466		0.0438	0.0438	0.0000	176.2053	176.2053	0.0417	0.0000	177.2470
Total	0.1118	1.0217	1.2287	2.0500e-003		0.0466	0.0466		0.0438	0.0438	0.0000	176.2053	176.2053	0.0417	0.0000	177.2470

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

3.4 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	1.7000e-003	0.0547	0.0216	2.7000e-004	0.0101	4.5000e-004	0.0105	2.9100e-003	4.3000e-004	3.3400e-003	0.0000	26.4391	26.4391	2.8000e-004	3.9000e-003	27.6094
Worker	0.0147	0.0104	0.1424	4.3000e-004	0.0535	2.4000e-004	0.0537	0.0142	2.2000e-004	0.0144	0.0000	39.3686	39.3686	9.2000e-004	1.0000e-003	39.6904
Total	0.0164	0.0651	0.1640	7.0000e-004	0.0635	6.9000e-004	0.0642	0.0171	6.5000e-004	0.0178	0.0000	65.8077	65.8077	1.2000e-003	4.9000e-003	67.2997

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	0.1118	1.0217	1.2287	2.0500e-003		0.0466	0.0466		0.0438	0.0438	0.0000	176.2051	176.2051	0.0417	0.0000	177.2468
Total	0.1118	1.0217	1.2287	2.0500e-003		0.0466	0.0466		0.0438	0.0438	0.0000	176.2051	176.2051	0.0417	0.0000	177.2468

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

3.4 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	1.7000e-003	0.0547	0.0216	2.7000e-004	0.0101	4.5000e-004	0.0105	2.9100e-003	4.3000e-004	3.3400e-003	0.0000	26.4391	26.4391	2.8000e-004	3.9000e-003	27.6094
Worker	0.0147	0.0104	0.1424	4.3000e-004	0.0535	2.4000e-004	0.0537	0.0142	2.2000e-004	0.0144	0.0000	39.3686	39.3686	9.2000e-004	1.0000e-003	39.6904
Total	0.0164	0.0651	0.1640	7.0000e-004	0.0635	6.9000e-004	0.0642	0.0171	6.5000e-004	0.0178	0.0000	65.8077	65.8077	1.2000e-003	4.9000e-003	67.2997

3.4 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

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

3.4 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	2.8800e-003	0.0932	0.0366	4.6000e-004	0.0173	7.8000e-004	0.0181	4.9900e-003	7.4000e-004	5.7400e-003	0.0000	44.5988	44.5988	5.0000e-004	6.5700e-003	46.5695
Worker	0.0237	0.0160	0.2277	7.1000e-004	0.0918	4.0000e-004	0.0922	0.0244	3.6000e-004	0.0247	0.0000	65.3074	65.3074	1.4300e-003	1.6100e-003	65.8217
Total	0.0265	0.1092	0.2642	1.1700e-003	0.1091	1.1800e-003	0.1103	0.0294	1.1000e-003	0.0305	0.0000	109.9062	109.9062	1.9300e-003	8.1800e-003	112.3912

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

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

3.4 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	2.8800e-003	0.0932	0.0366	4.6000e-004	0.0173	7.8000e-004	0.0181	4.9900e-003	7.4000e-004	5.7400e-003	0.0000	44.5988	44.5988	5.0000e-004	6.5700e-003	46.5695
Worker	0.0237	0.0160	0.2277	7.1000e-004	0.0918	4.0000e-004	0.0922	0.0244	3.6000e-004	0.0247	0.0000	65.3074	65.3074	1.4300e-003	1.6100e-003	65.8217
Total	0.0265	0.1092	0.2642	1.1700e-003	0.1091	1.1800e-003	0.1103	0.0294	1.1000e-003	0.0305	0.0000	109.9062	109.9062	1.9300e-003	8.1800e-003	112.3912

3.4 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	0.1039	0.9477	1.2224	2.0500e-003		0.0401	0.0401		0.0377	0.0377	0.0000	176.2588	176.2588	0.0414	0.0000	177.2946
Total	0.1039	0.9477	1.2224	2.0500e-003		0.0401	0.0401		0.0377	0.0377	0.0000	176.2588	176.2588	0.0414	0.0000	177.2946

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

3.4 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	1.6600e-003	0.0537	0.0211	2.6000e-004	0.0101	4.5000e-004	0.0105	2.9100e-003	4.3000e-004	3.3400e-003	0.0000	25.5008	25.5008	3.0000e-004	3.7500e-003	26.6258
Worker	0.0130	8.4300e-003	0.1243	4.0000e-004	0.0535	2.2000e-004	0.0537	0.0142	2.0000e-004	0.0144	0.0000	36.8496	36.8496	7.6000e-004	8.8000e-004	37.1307
Total	0.0146	0.0622	0.1454	6.6000e-004	0.0635	6.7000e-004	0.0642	0.0171	6.3000e-004	0.0177	0.0000	62.3504	62.3504	1.0600e-003	4.6300e-003	63.7565

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	0.1039	0.9477	1.2224	2.0500e-003		0.0401	0.0401		0.0377	0.0377	0.0000	176.2586	176.2586	0.0414	0.0000	177.2944
Total	0.1039	0.9477	1.2224	2.0500e-003		0.0401	0.0401		0.0377	0.0377	0.0000	176.2586	176.2586	0.0414	0.0000	177.2944

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

3.4 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	1.6600e-003	0.0537	0.0211	2.6000e-004	0.0101	4.5000e-004	0.0105	2.9100e-003	4.3000e-004	3.3400e-003	0.0000	25.5008	25.5008	3.0000e-004	3.7500e-003	26.6258
Worker	0.0130	8.4300e-003	0.1243	4.0000e-004	0.0535	2.2000e-004	0.0537	0.0142	2.0000e-004	0.0144	0.0000	36.8496	36.8496	7.6000e-004	8.8000e-004	37.1307
Total	0.0146	0.0622	0.1454	6.6000e-004	0.0635	6.7000e-004	0.0642	0.0171	6.3000e-004	0.0177	0.0000	62.3504	62.3504	1.0600e-003	4.6300e-003	63.7565

3.5 Architectural Coating - 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					
Archit. Coating	0.6082					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9900e-003	0.0201	0.0317	5.0000e-005		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004	0.0000	4.4682	4.4682	2.4000e-004	0.0000	4.4743
Total	0.6112	0.0201	0.0317	5.0000e-005		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004	0.0000	4.4682	4.4682	2.4000e-004	0.0000	4.4743

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

3.5 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	6.1000e-004	3.9000e-004	5.8100e-003	2.0000e-005	2.5000e-003	1.0000e-005	2.5100e-003	6.6000e-004	1.0000e-005	6.7000e-004	0.0000	1.7235	1.7235	4.0000e-005	4.0000e-005	1.7367
Total	6.1000e-004	3.9000e-004	5.8100e-003	2.0000e-005	2.5000e-003	1.0000e-005	2.5100e-003	6.6000e-004	1.0000e-005	6.7000e-004	0.0000	1.7235	1.7235	4.0000e-005	4.0000e-005	1.7367

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6082					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9900e-003	0.0201	0.0317	5.0000e-005		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004	0.0000	4.4682	4.4682	2.4000e-004	0.0000	4.4743
Total	0.6112	0.0201	0.0317	5.0000e-005		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004	0.0000	4.4682	4.4682	2.4000e-004	0.0000	4.4743

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

3.5 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	6.1000e-004	3.9000e-004	5.8100e-003	2.0000e-005	2.5000e-003	1.0000e-005	2.5100e-003	6.6000e-004	1.0000e-005	6.7000e-004	0.0000	1.7235	1.7235	4.0000e-005	4.0000e-005	1.7367
Total	6.1000e-004	3.9000e-004	5.8100e-003	2.0000e-005	2.5000e-003	1.0000e-005	2.5100e-003	6.6000e-004	1.0000e-005	6.7000e-004	0.0000	1.7235	1.7235	4.0000e-005	4.0000e-005	1.7367

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4518	0.7036	4.6768	0.0115	1.3015	9.1100e-003	1.3106	0.3476	8.5400e-003	0.3562	0.0000	1,060.7669	1,060.7669	0.0535	0.0521	1,077.6302
Unmitigated	0.4518	0.7036	4.6768	0.0115	1.3015	9.1100e-003	1.3106	0.3476	8.5400e-003	0.3562	0.0000	1,060.7669	1,060.7669	0.0535	0.0521	1,077.6302

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Single Family Housing	1,019.52	1,030.32	923.40	3,442,205	3,442,205
Total	1,019.52	1,030.32	923.40	3,442,205	3,442,205

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.542916	0.056689	0.174450	0.134041	0.024680	0.006960	0.011589	0.018600	0.000608	0.000298	0.023389	0.001091	0.004689
Single Family Housing	0.542916	0.056689	0.174450	0.134041	0.024680	0.006960	0.011589	0.018600	0.000608	0.000298	0.023389	0.001091	0.004689

5.0 Energy Detail

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Annual

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

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	152.5497	152.5497	0.0129	1.5600e-003	153.3367
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	152.5497	152.5497	0.0129	1.5600e-003	153.3367
NaturalGas Mitigated	0.0165	0.1408	0.0599	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	163.0259	163.0259	3.1200e-003	2.9900e-003	163.9947
NaturalGas Unmitigated	0.0165	0.1408	0.0599	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	163.0259	163.0259	3.1200e-003	2.9900e-003	163.9947

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Annual

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
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
Single Family Housing	3.05499e+006	0.0165	0.1408	0.0599	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	163.0259	163.0259	3.1200e-003	2.9900e-003	163.9947
Total		0.0165	0.1408	0.0599	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	163.0259	163.0259	3.1200e-003	2.9900e-003	163.9947

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	3.05499e+006	0.0165	0.1408	0.0599	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	163.0259	163.0259	3.1200e-003	2.9900e-003	163.9947
Total		0.0165	0.1408	0.0599	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	163.0259	163.0259	3.1200e-003	2.9900e-003	163.9947

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Annual

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

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	860183	152.5497	0.0129	1.5600e-003	153.3367
Total		152.5497	0.0129	1.5600e-003	153.3367

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	860183	152.5497	0.0129	1.5600e-003	153.3367
Total		152.5497	0.0129	1.5600e-003	153.3367

6.0 Area Detail

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Annual

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

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.7999	0.0352	1.1223	2.0000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	27.7542	27.7542	2.2400e-003	4.8000e-004	27.9518
Unmitigated	0.7999	0.0352	1.1223	2.0000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	27.7542	27.7542	2.2400e-003	4.8000e-004	27.9518

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Annual

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

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0608					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7030					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.6200e-003	0.0224	9.5300e-003	1.4000e-004		1.8100e-003	1.8100e-003		1.8100e-003	1.8100e-003	0.0000	25.9348	25.9348	5.0000e-004	4.8000e-004	26.0889
Landscaping	0.0334	0.0128	1.1127	6.0000e-005		6.1700e-003	6.1700e-003		6.1700e-003	6.1700e-003	0.0000	1.8194	1.8194	1.7400e-003	0.0000	1.8629
Total	0.7999	0.0352	1.1223	2.0000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	27.7542	27.7542	2.2400e-003	4.8000e-004	27.9518

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Annual

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0608					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7030					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.6200e-003	0.0224	9.5300e-003	1.4000e-004		1.8100e-003	1.8100e-003		1.8100e-003	1.8100e-003	0.0000	25.9348	25.9348	5.0000e-004	4.8000e-004	26.0889
Landscaping	0.0334	0.0128	1.1127	6.0000e-005		6.1700e-003	6.1700e-003		6.1700e-003	6.1700e-003	0.0000	1.8194	1.8194	1.7400e-003	0.0000	1.8629
Total	0.7999	0.0352	1.1223	2.0000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	27.7542	27.7542	2.2400e-003	4.8000e-004	27.9518

7.0 Water Detail

7.1 Mitigation Measures Water

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Annual

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	30.4618	0.2317	5.7000e-003	37.9530
Unmitigated	30.4618	0.2317	5.7000e-003	37.9530

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 1.64424	3.2397	2.7000e-004	3.0000e-005	3.2564
Single Family Housing	7.03663 / 4.43614	27.2221	0.2314	5.6700e-003	34.6966
Total		30.4618	0.2317	5.7000e-003	37.9530

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Annual

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

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 1.64424	3.2397	2.7000e-004	3.0000e-005	3.2564
Single Family Housing	7.03663 / 4.43614	27.2221	0.2314	5.6700e-003	34.6966
Total		30.4618	0.2317	5.7000e-003	37.9530

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, 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	6.4353	0.3803	0.0000	15.9432
Unmitigated	25.7413	1.5213	0.0000	63.7729

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.12	0.0244	1.4400e-003	0.0000	0.0604
Single Family Housing	126.69	25.7169	1.5198	0.0000	63.7126
Total		25.7413	1.5213	0.0000	63.7729

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Annual

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

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.03	6.0900e-003	3.6000e-004	0.0000	0.0151
Single Family Housing	31.6725	6.4292	0.3800	0.0000	15.9282
Total		6.4353	0.3803	0.0000	15.9432

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Annual

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

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Summer

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

**Sunset Crossing TTM 38442 Residential
Riverside-South Coast County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	1.38	Acre	1.38	60,112.80	0
Single Family Housing	108.00	Dwelling Unit	17.12	194,400.00	309

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2026
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - As per the information provided by applicant.

Construction Phase - As per the information provided by applicant.

Grading - As per the information provided by applicant.

Architectural Coating -

Vehicle Trips - The park is not expected to generate any trips.

Woodstoves - The project would comply with SCAQMD Rule 445.

Construction Off-road Equipment Mitigation - The project would comply with SCAQMD Rule 443.

Waste Mitigation - The project would comply with AB345.

Trips and VMT - The project is expected to export approximately 10,000 cubic yard of earthwork material.

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Summer

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

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	NumDays	300.00	565.00
tblConstructionPhase	NumDays	30.00	132.00
tblConstructionPhase	NumDays	20.00	87.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	91.80	108.00
tblFireplaces	NumberNoFireplace	10.80	0.00
tblFireplaces	NumberWood	5.40	0.00
tblGrading	MaterialExported	0.00	10,000.00
tblLandUse	LotAcreage	35.06	17.12
tblTripsAndVMT	HaulingTripNumber	41,875.00	1,250.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	WD_TR	0.78	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Summer

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	3.4155	35.5064	29.0430	0.0693	9.6025	1.4370	11.0394	3.7599	1.3224	5.0824	0.0000	6,765.9035	6,765.9035	1.9567	0.0923	6,842.3125
2024	3.3069	33.3655	28.6698	0.0691	9.6025	1.3477	10.9502	3.7599	1.2403	5.0003	0.0000	6,748.7698	6,748.7698	1.9562	0.0905	6,824.6451
2025	1.5939	13.2655	18.3964	0.0364	0.8499	0.5365	1.3864	0.2285	0.5047	0.7332	0.0000	3,527.5453	3,527.5453	0.6172	0.0684	3,563.3682
2026	34.9642	13.2477	18.2651	0.0361	0.8499	0.5363	1.3862	0.2285	0.5046	0.7330	0.0000	3,502.0996	3,502.0996	0.6162	0.0666	3,537.3367
Maximum	34.9642	35.5064	29.0430	0.0693	9.6025	1.4370	11.0394	3.7599	1.3224	5.0824	0.0000	6,765.9035	6,765.9035	1.9567	0.0923	6,842.3125

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Summer

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.6624	1.8941	9.6642	0.0119		0.1942	0.1942		0.1942	0.1942	0.0000	2,303.1028	2,303.1028	0.0592	0.0419	2,317.0777
Energy	0.0903	0.7713	0.3282	4.9200e-003		0.0624	0.0624		0.0624	0.0624		984.6864	984.6864	0.0189	0.0181	990.5379
Mobile	2.9500	3.7054	28.7142	0.0683	7.4367	0.0513	7.4880	1.9837	0.0480	2.0317		6,962.7997	6,962.7997	0.3254	0.3146	7,064.6907
Total	7.7026	6.3708	38.7066	0.0852	7.4367	0.3079	7.7446	1.9837	0.3046	2.2883	0.0000	10,250.5889	10,250.5889	0.4034	0.3746	10,372.3063

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.6624	1.8941	9.6642	0.0119		0.1942	0.1942		0.1942	0.1942	0.0000	2,303.1028	2,303.1028	0.0592	0.0419	2,317.0777
Energy	0.0903	0.7713	0.3282	4.9200e-003		0.0624	0.0624		0.0624	0.0624		984.6864	984.6864	0.0189	0.0181	990.5379
Mobile	2.9500	3.7054	28.7142	0.0683	7.4367	0.0513	7.4880	1.9837	0.0480	2.0317		6,962.7997	6,962.7997	0.3254	0.3146	7,064.6907
Total	7.7026	6.3708	38.7066	0.0852	7.4367	0.3079	7.7446	1.9837	0.3046	2.2883	0.0000	10,250.5889	10,250.5889	0.4034	0.3746	10,372.3063

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Summer

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	8/1/2023	1/31/2024	5	132	
2	Paving	Paving	2/1/2024	5/31/2024	5	87	
3	Building Construction	Building Construction	6/1/2024	7/31/2026	5	565	
4	Architectural Coating	Architectural Coating	8/1/2026	9/18/2026	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 396

Acres of Paving: 0

Residential Indoor: 393,660; Residential Outdoor: 131,220; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Summer

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
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
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
Grading	8	20.00	0.00	1,250.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	64.00	21.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Summer

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

3.2 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2132	0.0000	9.2132	3.6552	0.0000	3.6552			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	3.3217	34.5156	28.0512	0.0621	9.2132	1.4245	10.6377	3.6552	1.3105	4.9657		6,011.4777	6,011.4777	1.9442		6,060.0836

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0207	0.9457	0.2601	5.2000e-003	0.1657	0.0114	0.1772	0.0454	0.0109	0.0564		555.6777	555.6777	7.8800e-003	0.0876	581.9678
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0730	0.0451	0.7317	1.9700e-003	0.2236	1.0500e-003	0.2246	0.0593	9.6000e-004	0.0603		198.7481	198.7481	4.5900e-003	4.6900e-003	200.2612
Total	0.0937	0.9908	0.9918	7.1700e-003	0.3893	0.0125	0.4018	0.1047	0.0119	0.1166		754.4258	754.4258	0.0125	0.0923	782.2289

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Summer

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

3.2 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.9386	0.0000	3.9386	1.5626	0.0000	1.5626			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	3.3217	34.5156	28.0512	0.0621	3.9386	1.4245	5.3631	1.5626	1.3105	2.8731	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0207	0.9457	0.2601	5.2000e-003	0.1657	0.0114	0.1772	0.0454	0.0109	0.0564		555.6777	555.6777	7.8800e-003	0.0876	581.9678
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0730	0.0451	0.7317	1.9700e-003	0.2236	1.0500e-003	0.2246	0.0593	9.6000e-004	0.0603		198.7481	198.7481	4.5900e-003	4.6900e-003	200.2612
Total	0.0937	0.9908	0.9918	7.1700e-003	0.3893	0.0125	0.4018	0.1047	0.0119	0.1166		754.4258	754.4258	0.0125	0.0923	782.2289

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Summer

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

3.2 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2132	0.0000	9.2132	3.6552	0.0000	3.6552			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286		6,009.7487	6,009.7487	1.9437		6,058.3405
Total	3.2181	32.3770	27.7228	0.0621	9.2132	1.3354	10.5486	3.6552	1.2286	4.8838		6,009.7487	6,009.7487	1.9437		6,058.3405

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0207	0.9483	0.2629	5.1100e-003	0.1657	0.0114	0.1771	0.0454	0.0109	0.0563		546.5998	546.5998	8.3200e-003	0.0862	572.4802
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0681	0.0402	0.6840	1.9000e-003	0.2236	1.0000e-003	0.2246	0.0593	9.2000e-004	0.0602		192.4214	192.4214	4.1600e-003	4.3600e-003	193.8244
Total	0.0887	0.9885	0.9470	7.0100e-003	0.3893	0.0124	0.4016	0.1047	0.0118	0.1165		739.0211	739.0211	0.0125	0.0905	766.3046

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Summer

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

3.2 Grading - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.9386	0.0000	3.9386	1.5626	0.0000	1.5626			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286	0.0000	6,009.7487	6,009.7487	1.9437		6,058.3405
Total	3.2181	32.3770	27.7228	0.0621	3.9386	1.3354	5.2740	1.5626	1.2286	2.7912	0.0000	6,009.7487	6,009.7487	1.9437		6,058.3405

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0207	0.9483	0.2629	5.1100e-003	0.1657	0.0114	0.1771	0.0454	0.0109	0.0563		546.5998	546.5998	8.3200e-003	0.0862	572.4802
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0681	0.0402	0.6840	1.9000e-003	0.2236	1.0000e-003	0.2246	0.0593	9.2000e-004	0.0602		192.4214	192.4214	4.1600e-003	4.3600e-003	193.8244
Total	0.0887	0.9885	0.9470	7.0100e-003	0.3893	0.0124	0.4016	0.1047	0.0118	0.1165		739.0211	739.0211	0.0125	0.0905	766.3046

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Summer

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

3.3 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0510	0.0301	0.5130	1.4300e-003	0.1677	7.5000e-004	0.1684	0.0445	6.9000e-004	0.0452		144.3160	144.3160	3.1200e-003	3.2700e-003	145.3683
Total	0.0510	0.0301	0.5130	1.4300e-003	0.1677	7.5000e-004	0.1684	0.0445	6.9000e-004	0.0452		144.3160	144.3160	3.1200e-003	3.2700e-003	145.3683

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Summer

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

3.3 Paving - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0510	0.0301	0.5130	1.4300e-003	0.1677	7.5000e-004	0.1684	0.0445	6.9000e-004	0.0452		144.3160	144.3160	3.1200e-003	3.2700e-003	145.3683
Total	0.0510	0.0301	0.5130	1.4300e-003	0.1677	7.5000e-004	0.1684	0.0445	6.9000e-004	0.0452		144.3160	144.3160	3.1200e-003	3.2700e-003	145.3683

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Summer

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

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0233	0.6861	0.2793	3.6100e-003	0.1345	5.9400e-003	0.1404	0.0387	5.6800e-003	0.0444		383.0727	383.0727	4.1100e-003	0.0565	400.0188
Worker	0.2178	0.1286	2.1889	6.0900e-003	0.7154	3.1900e-003	0.7186	0.1897	2.9400e-003	0.1927		615.7484	615.7484	0.0133	0.0140	620.2381
Total	0.2411	0.8148	2.4681	9.7000e-003	0.8499	9.1300e-003	0.8590	0.2285	8.6200e-003	0.2371		998.8211	998.8211	0.0174	0.0705	1,020.2569

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Summer

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

3.4 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0233	0.6861	0.2793	3.6100e-003	0.1345	5.9400e-003	0.1404	0.0387	5.6800e-003	0.0444		383.0727	383.0727	4.1100e-003	0.0565	400.0188
Worker	0.2178	0.1286	2.1889	6.0900e-003	0.7154	3.1900e-003	0.7186	0.1897	2.9400e-003	0.1927		615.7484	615.7484	0.0133	0.0140	620.2381
Total	0.2411	0.8148	2.4681	9.7000e-003	0.8499	9.1300e-003	0.8590	0.2285	8.6200e-003	0.2371		998.8211	998.8211	0.0174	0.0705	1,020.2569

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Summer

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

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0230	0.6805	0.2761	3.5500e-003	0.1345	5.9400e-003	0.1404	0.0387	5.6800e-003	0.0444		376.3202	376.3202	4.2600e-003	0.0554	392.9401
Worker	0.2035	0.1153	2.0356	5.8800e-003	0.7154	3.0300e-003	0.7184	0.1897	2.7900e-003	0.1925		594.7508	594.7508	0.0120	0.0130	598.9300
Total	0.2265	0.7958	2.3117	9.4300e-003	0.8499	8.9700e-003	0.8588	0.2285	8.4700e-003	0.2369		971.0710	971.0710	0.0163	0.0684	991.8701

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Summer

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

3.4 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0230	0.6805	0.2761	3.5500e-003	0.1345	5.9400e-003	0.1404	0.0387	5.6800e-003	0.0444		376.3202	376.3202	4.2600e-003	0.0554	392.9401
Worker	0.2035	0.1153	2.0356	5.8800e-003	0.7154	3.0300e-003	0.7184	0.1897	2.7900e-003	0.1925		594.7508	594.7508	0.0120	0.0130	598.9300
Total	0.2265	0.7958	2.3117	9.4300e-003	0.8499	8.9700e-003	0.8588	0.2285	8.4700e-003	0.2369		971.0710	971.0710	0.0163	0.0684	991.8701

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Summer

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

3.4 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0227	0.6737	0.2735	3.4800e-003	0.1345	5.9100e-003	0.1404	0.0387	5.6600e-003	0.0444		369.4734	369.4734	4.4100e-003	0.0543	385.7652
Worker	0.1910	0.1043	1.9070	5.7000e-003	0.7154	2.8700e-003	0.7182	0.1897	2.6400e-003	0.1924		576.1518	576.1518	0.0109	0.0123	580.0734
Total	0.2138	0.7780	2.1804	9.1800e-003	0.8499	8.7800e-003	0.8587	0.2285	8.3000e-003	0.2367		945.6252	945.6252	0.0153	0.0666	965.8386

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Summer

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

3.4 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0227	0.6737	0.2735	3.4800e-003	0.1345	5.9100e-003	0.1404	0.0387	5.6600e-003	0.0444		369.4734	369.4734	4.4100e-003	0.0543	385.7652
Worker	0.1910	0.1043	1.9070	5.7000e-003	0.7154	2.8700e-003	0.7182	0.1897	2.6400e-003	0.1924		576.1518	576.1518	0.0109	0.0123	580.0734
Total	0.2138	0.7780	2.1804	9.1800e-003	0.8499	8.7800e-003	0.8587	0.2285	8.3000e-003	0.2367		945.6252	945.6252	0.0153	0.0666	965.8386

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Summer

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

3.5 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.7546					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	34.9254	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0388	0.0212	0.3874	1.1600e-003	0.1453	5.8000e-004	0.1459	0.0385	5.4000e-004	0.0391		117.0308	117.0308	2.2100e-003	2.4900e-003	117.8274
Total	0.0388	0.0212	0.3874	1.1600e-003	0.1453	5.8000e-004	0.1459	0.0385	5.4000e-004	0.0391		117.0308	117.0308	2.2100e-003	2.4900e-003	117.8274

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Summer

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

3.5 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.7546					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	34.9254	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0388	0.0212	0.3874	1.1600e-003	0.1453	5.8000e-004	0.1459	0.0385	5.4000e-004	0.0391		117.0308	117.0308	2.2100e-003	2.4900e-003	117.8274
Total	0.0388	0.0212	0.3874	1.1600e-003	0.1453	5.8000e-004	0.1459	0.0385	5.4000e-004	0.0391		117.0308	117.0308	2.2100e-003	2.4900e-003	117.8274

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Summer

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.9500	3.7054	28.7142	0.0683	7.4367	0.0513	7.4880	1.9837	0.0480	2.0317		6,962.7997	6,962.7997	0.3254	0.3146	7,064.6907
Unmitigated	2.9500	3.7054	28.7142	0.0683	7.4367	0.0513	7.4880	1.9837	0.0480	2.0317		6,962.7997	6,962.7997	0.3254	0.3146	7,064.6907

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Single Family Housing	1,019.52	1,030.32	923.40	3,442,205	3,442,205
Total	1,019.52	1,030.32	923.40	3,442,205	3,442,205

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Summer

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

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.542916	0.056689	0.174450	0.134041	0.024680	0.006960	0.011589	0.018600	0.000608	0.000298	0.023389	0.001091	0.004689
Single Family Housing	0.542916	0.056689	0.174450	0.134041	0.024680	0.006960	0.011589	0.018600	0.000608	0.000298	0.023389	0.001091	0.004689

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	lb/day										lb/day					
NaturalGas Mitigated	0.0903	0.7713	0.3282	4.9200e-003		0.0624	0.0624		0.0624	0.0624		984.6864	984.6864	0.0189	0.0181	990.5379
NaturalGas Unmitigated	0.0903	0.7713	0.3282	4.9200e-003		0.0624	0.0624		0.0624	0.0624		984.6864	984.6864	0.0189	0.0181	990.5379

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Summer

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
Single Family Housing	8369.83	0.0903	0.7713	0.3282	4.9200e-003		0.0624	0.0624		0.0624	0.0624		984.6864	984.6864	0.0189	0.0181	990.5379
Total		0.0903	0.7713	0.3282	4.9200e-003		0.0624	0.0624		0.0624	0.0624		984.6864	984.6864	0.0189	0.0181	990.5379

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	8.36983	0.0903	0.7713	0.3282	4.9200e-003		0.0624	0.0624		0.0624	0.0624		984.6864	984.6864	0.0189	0.0181	990.5379
Total		0.0903	0.7713	0.3282	4.9200e-003		0.0624	0.0624		0.0624	0.0624		984.6864	984.6864	0.0189	0.0181	990.5379

6.0 Area Detail

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Summer

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

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.6624	1.8941	9.6642	0.0119		0.1942	0.1942		0.1942	0.1942	0.0000	2,303.1028	2,303.1028	0.0592	0.0419	2,317.0777
Unmitigated	4.6624	1.8941	9.6642	0.0119		0.1942	0.1942		0.1942	0.1942	0.0000	2,303.1028	2,303.1028	0.0592	0.0419	2,317.0777

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Summer

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

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3333					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.8522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.2097	1.7915	0.7624	0.0114		0.1449	0.1449		0.1449	0.1449	0.0000	2,287.0588	2,287.0588	0.0438	0.0419	2,300.6497
Landscaping	0.2673	0.1025	8.9018	4.7000e-004		0.0494	0.0494		0.0494	0.0494		16.0440	16.0440	0.0154		16.4281
Total	4.6624	1.8941	9.6642	0.0119		0.1942	0.1942		0.1942	0.1942	0.0000	2,303.1028	2,303.1028	0.0592	0.0419	2,317.0777

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Summer

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3333					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.8522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.2097	1.7915	0.7624	0.0114		0.1449	0.1449		0.1449	0.1449	0.0000	2,287.0588	2,287.0588	0.0438	0.0419	2,300.6497
Landscaping	0.2673	0.1025	8.9018	4.7000e-004		0.0494	0.0494		0.0494	0.0494		16.0440	16.0440	0.0154		16.4281
Total	4.6624	1.8941	9.6642	0.0119		0.1942	0.1942		0.1942	0.1942	0.0000	2,303.1028	2,303.1028	0.0592	0.0419	2,317.0777

7.0 Water Detail

7.1 Mitigation Measures Water

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Summer

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Winter

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

**Sunset Crossing TTM 38442 Residential
Riverside-South Coast County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	1.38	Acre	1.38	60,112.80	0
Single Family Housing	108.00	Dwelling Unit	17.12	194,400.00	309

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2026
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - As per the information provided by applicant.

Construction Phase - As per the information provided by applicant.

Grading - As per the information provided by applicant.

Architectural Coating -

Vehicle Trips - The park is not expected to generate any trips.

Woodstoves - The project would comply with SCAQMD Rule 445.

Construction Off-road Equipment Mitigation - The project would comply with SCAQMD Rule 443.

Waste Mitigation - The project would comply with AB345.

Trips and VMT - The project is expected to export approximately 10,000 cubic yard of earthwork material.

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Winter

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
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	NumDays	300.00	565.00
tblConstructionPhase	NumDays	30.00	132.00
tblConstructionPhase	NumDays	20.00	87.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	91.80	108.00
tblFireplaces	NumberNoFireplace	10.80	0.00
tblFireplaces	NumberWood	5.40	0.00
tblGrading	MaterialExported	0.00	10,000.00
tblLandUse	LotAcreage	35.06	17.12
tblTripsAndVMT	HaulingTripNumber	41,875.00	1,250.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	WD_TR	0.78	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Winter

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	3.4092	35.5645	28.9109	0.0691	9.6025	1.4370	11.0394	3.7599	1.3224	5.0824	0.0000	6,748.109 2	6,748.109 2	1.9566	0.0925	6,824.589 5
2024	3.3011	33.4236	28.5469	0.0689	9.6025	1.3478	10.9502	3.7599	1.2404	5.0003	0.0000	6,731.591 7	6,731.591 7	1.9561	0.0907	6,807.535 4
2025	1.5805	13.3110	18.0261	0.0359	0.8499	0.5366	1.3864	0.2285	0.5047	0.7332	0.0000	3,472.887 2	3,472.887 2	0.6172	0.0689	3,508.852 1
2026	34.9621	13.2924	17.9203	0.0356	0.8499	0.5364	1.3862	0.2285	0.5046	0.7330	0.0000	3,449.276 0	3,449.276 0	0.6162	0.0670	3,484.648 5
Maximum	34.9621	35.5645	28.9109	0.0691	9.6025	1.4370	11.0394	3.7599	1.3224	5.0824	0.0000	6,748.109 2	6,748.109 2	1.9566	0.0925	6,824.589 5

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Winter

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.6624	1.8941	9.6642	0.0119		0.1942	0.1942		0.1942	0.1942	0.0000	2,303.1028	2,303.1028	0.0592	0.0419	2,317.0777
Energy	0.0903	0.7713	0.3282	4.9200e-003		0.0624	0.0624		0.0624	0.0624		984.6864	984.6864	0.0189	0.0181	990.5379
Mobile	2.5088	3.9365	25.4562	0.0635	7.4367	0.0513	7.4880	1.9837	0.0481	2.0317		6,469.8289	6,469.8289	0.3324	0.3212	6,573.8472
Total	7.2614	6.6019	35.4486	0.0803	7.4367	0.3079	7.7446	1.9837	0.3047	2.2883	0.0000	9,757.6181	9,757.6181	0.4105	0.3812	9,881.4629

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.6624	1.8941	9.6642	0.0119		0.1942	0.1942		0.1942	0.1942	0.0000	2,303.1028	2,303.1028	0.0592	0.0419	2,317.0777
Energy	0.0903	0.7713	0.3282	4.9200e-003		0.0624	0.0624		0.0624	0.0624		984.6864	984.6864	0.0189	0.0181	990.5379
Mobile	2.5088	3.9365	25.4562	0.0635	7.4367	0.0513	7.4880	1.9837	0.0481	2.0317		6,469.8289	6,469.8289	0.3324	0.3212	6,573.8472
Total	7.2614	6.6019	35.4486	0.0803	7.4367	0.3079	7.7446	1.9837	0.3047	2.2883	0.0000	9,757.6181	9,757.6181	0.4105	0.3812	9,881.4629

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Winter

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	8/1/2023	1/31/2024	5	132	
2	Paving	Paving	2/1/2024	5/31/2024	5	87	
3	Building Construction	Building Construction	6/1/2024	7/31/2026	5	565	
4	Architectural Coating	Architectural Coating	8/1/2026	9/18/2026	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 396

Acres of Paving: 0

Residential Indoor: 393,660; Residential Outdoor: 131,220; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Winter

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
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
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
Grading	8	20.00	0.00	1,250.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	64.00	21.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Winter

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

3.2 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2132	0.0000	9.2132	3.6552	0.0000	3.6552			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	3.3217	34.5156	28.0512	0.0621	9.2132	1.4245	10.6377	3.6552	1.3105	4.9657		6,011.4777	6,011.4777	1.9442		6,060.0836

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0191	1.0020	0.2655	5.2100e-003	0.1657	0.0114	0.1772	0.0454	0.0109	0.0564		556.5468	556.5468	7.8000e-003	0.0877	582.8758
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0684	0.0468	0.5942	1.7800e-003	0.2236	1.0500e-003	0.2246	0.0593	9.6000e-004	0.0603		180.0847	180.0847	4.5800e-003	4.8000e-003	181.6302
Total	0.0875	1.0489	0.8597	6.9900e-003	0.3893	0.0125	0.4018	0.1047	0.0119	0.1166		736.6315	736.6315	0.0124	0.0925	764.5059

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Winter

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

3.2 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.9386	0.0000	3.9386	1.5626	0.0000	1.5626			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	3.3217	34.5156	28.0512	0.0621	3.9386	1.4245	5.3631	1.5626	1.3105	2.8731	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0191	1.0020	0.2655	5.2100e-003	0.1657	0.0114	0.1772	0.0454	0.0109	0.0564		556.5468	556.5468	7.8000e-003	0.0877	582.8758
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0684	0.0468	0.5942	1.7800e-003	0.2236	1.0500e-003	0.2246	0.0593	9.6000e-004	0.0603		180.0847	180.0847	4.5800e-003	4.8000e-003	181.6302
Total	0.0875	1.0489	0.8597	6.9900e-003	0.3893	0.0125	0.4018	0.1047	0.0119	0.1166		736.6315	736.6315	0.0124	0.0925	764.5059

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Winter

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

3.2 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2132	0.0000	9.2132	3.6552	0.0000	3.6552			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286		6,009.7487	6,009.7487	1.9437		6,058.3405
Total	3.2181	32.3770	27.7228	0.0621	9.2132	1.3354	10.5486	3.6552	1.2286	4.8838		6,009.7487	6,009.7487	1.9437		6,058.3405

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0190	1.0049	0.2684	5.1200e-003	0.1657	0.0114	0.1771	0.0454	0.0109	0.0563		547.4577	547.4577	8.2400e-003	0.0863	573.3766
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0640	0.0417	0.5557	1.7300e-003	0.2236	1.0000e-003	0.2246	0.0593	9.2000e-004	0.0602		174.3853	174.3853	4.1600e-003	4.4600e-003	175.8183
Total	0.0830	1.0466	0.8241	6.8500e-003	0.3893	0.0124	0.4016	0.1047	0.0118	0.1165		721.8431	721.8431	0.0124	0.0907	749.1949

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Winter

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

3.2 Grading - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.9386	0.0000	3.9386	1.5626	0.0000	1.5626			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286	0.0000	6,009.7487	6,009.7487	1.9437		6,058.3405
Total	3.2181	32.3770	27.7228	0.0621	3.9386	1.3354	5.2740	1.5626	1.2286	2.7912	0.0000	6,009.7487	6,009.7487	1.9437		6,058.3405

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0190	1.0049	0.2684	5.1200e-003	0.1657	0.0114	0.1771	0.0454	0.0109	0.0563		547.4577	547.4577	8.2400e-003	0.0863	573.3766
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0640	0.0417	0.5557	1.7300e-003	0.2236	1.0000e-003	0.2246	0.0593	9.2000e-004	0.0602		174.3853	174.3853	4.1600e-003	4.4600e-003	175.8183
Total	0.0830	1.0466	0.8241	6.8500e-003	0.3893	0.0124	0.4016	0.1047	0.0118	0.1165		721.8431	721.8431	0.0124	0.0907	749.1949

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Winter

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

3.3 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0480	0.0313	0.4168	1.2900e-003	0.1677	7.5000e-004	0.1684	0.0445	6.9000e-004	0.0452		130.7890	130.7890	3.1200e-003	3.3500e-003	131.8638
Total	0.0480	0.0313	0.4168	1.2900e-003	0.1677	7.5000e-004	0.1684	0.0445	6.9000e-004	0.0452		130.7890	130.7890	3.1200e-003	3.3500e-003	131.8638

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Winter

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

3.3 Paving - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0480	0.0313	0.4168	1.2900e-003	0.1677	7.5000e-004	0.1684	0.0445	6.9000e-004	0.0452		130.7890	130.7890	3.1200e-003	3.3500e-003	131.8638
Total	0.0480	0.0313	0.4168	1.2900e-003	0.1677	7.5000e-004	0.1684	0.0445	6.9000e-004	0.0452		130.7890	130.7890	3.1200e-003	3.3500e-003	131.8638

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Winter

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

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0216	0.7277	0.2887	3.6200e-003	0.1345	5.9600e-003	0.1405	0.0387	5.7000e-003	0.0444		384.0301	384.0301	4.0300e-003	0.0567	401.0299
Worker	0.2047	0.1334	1.7782	5.5200e-003	0.7154	3.1900e-003	0.7186	0.1897	2.9400e-003	0.1927		558.0330	558.0330	0.0133	0.0143	562.6187
Total	0.2263	0.8611	2.0670	9.1400e-003	0.8499	9.1500e-003	0.8590	0.2285	8.6400e-003	0.2371		942.0631	942.0631	0.0173	0.0710	963.6486

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Winter

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

3.4 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0216	0.7277	0.2887	3.6200e-003	0.1345	5.9600e-003	0.1405	0.0387	5.7000e-003	0.0444		384.0301	384.0301	4.0300e-003	0.0567	401.0299
Worker	0.2047	0.1334	1.7782	5.5200e-003	0.7154	3.1900e-003	0.7186	0.1897	2.9400e-003	0.1927		558.0330	558.0330	0.0133	0.0143	562.6187
Total	0.2263	0.8611	2.0670	9.1400e-003	0.8499	9.1500e-003	0.8590	0.2285	8.6400e-003	0.2371		942.0631	942.0631	0.0173	0.0710	963.6486

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Winter

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

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0213	0.7218	0.2856	3.5600e-003	0.1345	5.9600e-003	0.1405	0.0387	5.7000e-003	0.0444		377.2661	377.2661	4.1800e-003	0.0556	393.9385
Worker	0.1918	0.1195	1.6558	5.3300e-003	0.7154	3.0300e-003	0.7184	0.1897	2.7900e-003	0.1925		539.1468	539.1468	0.0120	0.0133	543.4156
Total	0.2131	0.8413	1.9414	8.8900e-003	0.8499	8.9900e-003	0.8589	0.2285	8.4900e-003	0.2369		916.4129	916.4129	0.0162	0.0689	937.3541

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Winter

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

3.4 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0213	0.7218	0.2856	3.5600e-003	0.1345	5.9600e-003	0.1405	0.0387	5.7000e-003	0.0444		377.2661	377.2661	4.1800e-003	0.0556	393.9385
Worker	0.1918	0.1195	1.6558	5.3300e-003	0.7154	3.0300e-003	0.7184	0.1897	2.7900e-003	0.1925		539.1468	539.1468	0.0120	0.0133	543.4156
Total	0.2131	0.8413	1.9414	8.8900e-003	0.8499	8.9900e-003	0.8589	0.2285	8.4900e-003	0.2369		916.4129	916.4129	0.0162	0.0689	937.3541

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Winter

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

3.4 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0210	0.7146	0.2829	3.4900e-003	0.1345	5.9300e-003	0.1404	0.0387	5.6800e-003	0.0444		370.4062	370.4062	4.3300e-003	0.0545	386.7492
Worker	0.1807	0.1081	1.5527	5.1700e-003	0.7154	2.8700e-003	0.7182	0.1897	2.6400e-003	0.1924		522.3955	522.3955	0.0109	0.0125	526.4012
Total	0.2016	0.8227	1.8356	8.6600e-003	0.8499	8.8000e-003	0.8587	0.2285	8.3200e-003	0.2368		892.8016	892.8016	0.0153	0.0670	913.1504

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Winter

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

3.4 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0210	0.7146	0.2829	3.4900e-003	0.1345	5.9300e-003	0.1404	0.0387	5.6800e-003	0.0444		370.4062	370.4062	4.3300e-003	0.0545	386.7492
Worker	0.1807	0.1081	1.5527	5.1700e-003	0.7154	2.8700e-003	0.7182	0.1897	2.6400e-003	0.1924		522.3955	522.3955	0.0109	0.0125	526.4012
Total	0.2016	0.8227	1.8356	8.6600e-003	0.8499	8.8000e-003	0.8587	0.2285	8.3200e-003	0.2368		892.8016	892.8016	0.0153	0.0670	913.1504

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Winter

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

3.5 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.7546					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	34.9254	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0367	0.0220	0.3154	1.0500e-003	0.1453	5.8000e-004	0.1459	0.0385	5.4000e-004	0.0391		106.1116	106.1116	2.2200e-003	2.5400e-003	106.9253
Total	0.0367	0.0220	0.3154	1.0500e-003	0.1453	5.8000e-004	0.1459	0.0385	5.4000e-004	0.0391		106.1116	106.1116	2.2200e-003	2.5400e-003	106.9253

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Winter

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

3.5 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.7546					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	34.9254	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0367	0.0220	0.3154	1.0500e-003	0.1453	5.8000e-004	0.1459	0.0385	5.4000e-004	0.0391		106.1116	106.1116	2.2200e-003	2.5400e-003	106.9253
Total	0.0367	0.0220	0.3154	1.0500e-003	0.1453	5.8000e-004	0.1459	0.0385	5.4000e-004	0.0391		106.1116	106.1116	2.2200e-003	2.5400e-003	106.9253

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Winter

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.5088	3.9365	25.4562	0.0635	7.4367	0.0513	7.4880	1.9837	0.0481	2.0317		6,469.8289	6,469.8289	0.3324	0.3212	6,573.8472
Unmitigated	2.5088	3.9365	25.4562	0.0635	7.4367	0.0513	7.4880	1.9837	0.0481	2.0317		6,469.8289	6,469.8289	0.3324	0.3212	6,573.8472

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Single Family Housing	1,019.52	1,030.32	923.40	3,442,205	3,442,205
Total	1,019.52	1,030.32	923.40	3,442,205	3,442,205

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Winter

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

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.542916	0.056689	0.174450	0.134041	0.024680	0.006960	0.011589	0.018600	0.000608	0.000298	0.023389	0.001091	0.004689
Single Family Housing	0.542916	0.056689	0.174450	0.134041	0.024680	0.006960	0.011589	0.018600	0.000608	0.000298	0.023389	0.001091	0.004689

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	lb/day										lb/day					
NaturalGas Mitigated	0.0903	0.7713	0.3282	4.9200e-003		0.0624	0.0624		0.0624	0.0624		984.6864	984.6864	0.0189	0.0181	990.5379
NaturalGas Unmitigated	0.0903	0.7713	0.3282	4.9200e-003		0.0624	0.0624		0.0624	0.0624		984.6864	984.6864	0.0189	0.0181	990.5379

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Winter

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	8369.83	0.0903	0.7713	0.3282	4.9200e-003		0.0624	0.0624		0.0624	0.0624		984.6864	984.6864	0.0189	0.0181	990.5379
Total		0.0903	0.7713	0.3282	4.9200e-003		0.0624	0.0624		0.0624	0.0624		984.6864	984.6864	0.0189	0.0181	990.5379

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	8.36983	0.0903	0.7713	0.3282	4.9200e-003		0.0624	0.0624		0.0624	0.0624		984.6864	984.6864	0.0189	0.0181	990.5379
Total		0.0903	0.7713	0.3282	4.9200e-003		0.0624	0.0624		0.0624	0.0624		984.6864	984.6864	0.0189	0.0181	990.5379

6.0 Area Detail

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Winter

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

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.6624	1.8941	9.6642	0.0119		0.1942	0.1942		0.1942	0.1942	0.0000	2,303.1028	2,303.1028	0.0592	0.0419	2,317.0777
Unmitigated	4.6624	1.8941	9.6642	0.0119		0.1942	0.1942		0.1942	0.1942	0.0000	2,303.1028	2,303.1028	0.0592	0.0419	2,317.0777

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Winter

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

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3333					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.8522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.2097	1.7915	0.7624	0.0114		0.1449	0.1449		0.1449	0.1449	0.0000	2,287.0588	2,287.0588	0.0438	0.0419	2,300.6497
Landscaping	0.2673	0.1025	8.9018	4.7000e-004		0.0494	0.0494		0.0494	0.0494		16.0440	16.0440	0.0154		16.4281
Total	4.6624	1.8941	9.6642	0.0119		0.1942	0.1942		0.1942	0.1942	0.0000	2,303.1028	2,303.1028	0.0592	0.0419	2,317.0777

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Winter

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3333					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.8522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.2097	1.7915	0.7624	0.0114		0.1449	0.1449		0.1449	0.1449	0.0000	2,287.0588	2,287.0588	0.0438	0.0419	2,300.6497
Landscaping	0.2673	0.1025	8.9018	4.7000e-004		0.0494	0.0494		0.0494	0.0494		16.0440	16.0440	0.0154		16.4281
Total	4.6624	1.8941	9.6642	0.0119		0.1942	0.1942		0.1942	0.1942	0.0000	2,303.1028	2,303.1028	0.0592	0.0419	2,317.0777

7.0 Water Detail

7.1 Mitigation Measures Water

Sunset Crossing TTM 38442 Residential - Riverside-South Coast County, Winter

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation
