

Calimesa RIPAOZ - Riverside-South Coast County, Annual

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

**Calimesa RIPAOZ
Riverside-South Coast County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	21.82	Acre	21.82	950,261.40	0
Apartments Low Rise	1,246.00	Dwelling Unit	31.81	1,246,000.00	3564
Condo/Townhouse	513.00	Dwelling Unit	33.64	513,000.00	1467

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2040
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	390.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Per Project Description; 25% of acreage assumed as paved asphalt

Construction Phase - see table

Off-road Equipment - 8 hr day

Off-road Equipment - 8 hr day

Off-road Equipment -

Trips and VMT - 2 daily water truck trips added to demo, site prep, grading, and paving

Demolition - assumed 50,000 SF of demolition

Woodstoves - No fireplaces for Apts; assume 50% Condos have natural gas fireplaces per Rule 445

Energy Use - default for other asphalt surfaces lighting intensity changed to reflect parking lot lighting value

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Construction Off-road Equipment Mitigation - water 3x daily per Rule 403

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	110.00	250.00
tblConstructionPhase	NumDays	1,550.00	3,675.00
tblEnergyUse	LightingElect	0.00	0.35
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	1,059.10	0.00
tblFireplaces	NumberGas	436.05	257.00
tblFireplaces	NumberNoFireplace	124.60	1,246.00
tblFireplaces	NumberNoFireplace	51.30	256.00
tblFireplaces	NumberWood	62.30	0.00
tblFireplaces	NumberWood	25.65	0.00
tblLandUse	LandUseSquareFeet	950,479.20	950,261.40
tblLandUse	LotAcreage	77.88	31.81
tblLandUse	LotAcreage	32.06	33.64
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblWoodstoves	NumberCatalytic	62.30	0.00
tblWoodstoves	NumberCatalytic	25.65	0.00

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tblWoodstoves	NumberNoncatalytic	62.30	0.00
tblWoodstoves	NumberNoncatalytic	25.65	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

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	ROG	NOx	CO	SO2	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	0.3673	3.6521	3.0105	6.5000e-003	1.1909	0.1594	1.3503	0.5067	0.1472	0.6538	0.0000	572.5500	572.5500	0.1689	2.1100e-003	577.3993
2024	0.8125	3.9761	8.0919	0.0261	2.5387	0.1234	2.6621	0.6875	0.1152	0.8027	0.0000	2,397.8846	2,397.8846	0.1498	0.1229	2,438.2440
2025	0.8531	3.6875	8.7619	0.0299	2.6732	0.0967	2.7699	0.7164	0.0909	0.8072	0.0000	2,754.9380	2,754.9380	0.1235	0.1495	2,802.5617
2026	0.8157	3.6323	8.3856	0.0292	2.6732	0.0961	2.7693	0.7164	0.0903	0.8067	0.0000	2,688.7351	2,688.7351	0.1204	0.1448	2,734.8955
2027	0.7815	3.5833	8.0628	0.0285	2.6732	0.0954	2.7687	0.7164	0.0897	0.8060	0.0000	2,627.4312	2,627.4312	0.1177	0.1405	2,672.2380
2028	0.7478	3.5293	7.7638	0.0278	2.6630	0.0944	2.7574	0.7136	0.0887	0.8023	0.0000	2,562.3230	2,562.3230	0.1150	0.1361	2,605.7458
2029	0.7215	3.5075	7.5591	0.0274	2.6732	0.0941	2.7673	0.7164	0.0885	0.8048	0.0000	2,522.5244	2,522.5244	0.1135	0.1331	2,565.0225
2030	0.6879	2.8322	7.3676	0.0275	2.6732	0.0405	2.7138	0.7164	0.0394	0.7558	0.0000	2,522.5564	2,522.5564	0.0484	0.1299	2,562.4906
2031	0.6618	2.8145	7.2381	0.0271	2.6732	0.0397	2.7129	0.7164	0.0386	0.7550	0.0000	2,485.0872	2,485.0872	0.0471	0.1271	2,524.1404
2032	0.6406	2.8015	7.1121	0.0268	2.6835	0.0394	2.7228	0.7191	0.0383	0.7574	0.0000	2,459.5098	2,459.5098	0.0460	0.1252	2,497.9601
2033	0.6146	2.7601	6.9270	0.0263	2.6630	0.0386	2.7016	0.7136	0.0376	0.7512	0.0000	2,410.0741	2,410.0741	0.0445	0.1222	2,447.5877
2034	0.5957	2.7421	6.8095	0.0260	2.6630	0.0382	2.7012	0.7136	0.0372	0.7508	0.0000	2,382.8638	2,382.8638	0.0435	0.1203	2,419.8097
2035	0.5682	2.6278	6.7297	0.0258	2.6732	0.0300	2.7032	0.7164	0.0290	0.7454	0.0000	2,368.0656	2,368.0656	0.0417	0.1192	2,404.6387
2036	0.5703	2.6379	6.7555	0.0259	2.6835	0.0301	2.7135	0.7191	0.0291	0.7482	0.0000	2,377.1387	2,377.1387	0.0419	0.1197	2,413.8519
2037	0.5682	2.6278	6.7297	0.0258	2.6732	0.0300	2.7032	0.7164	0.0290	0.7454	0.0000	2,368.0656	2,368.0656	0.0417	0.1192	2,404.6387
2038	1.9749	1.0873	3.1599	0.0101	0.9254	0.0199	0.9453	0.2477	0.0196	0.2672	0.0000	920.7423	920.7423	0.0188	0.0367	932.1537
2039	4.0057	0.1159	0.7324	2.3600e-003	0.3203	1.8900e-003	0.3222	0.0850	1.8300e-003	0.0869	0.0000	214.4167	214.4167	3.4300e-003	3.8900e-003	215.6609
Maximum	4.0057	3.9761	8.7619	0.0299	2.6835	0.1594	2.7699	0.7191	0.1472	0.8072	0.0000	2,754.9380	2,754.9380	0.1689	0.1495	2,802.5617

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2.1 Overall Construction

Mitigated Construction

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	ROG	NOx	CO	SO2	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	0.3673	3.6521	3.0104	6.5000e-003	0.4820	0.1594	0.6414	0.2023	0.1472	0.3495	0.0000	572.5493	572.5493	0.1689	2.1100e-003	577.3987
2024	0.8125	3.9761	8.0919	0.0261	2.2873	0.1234	2.4107	0.6158	0.1152	0.7309	0.0000	2,397.8841	2,397.8841	0.1498	0.1229	2,438.2435
2025	0.8531	3.6875	8.7619	0.0299	2.6732	0.0967	2.7699	0.7164	0.0909	0.8072	0.0000	2,754.9376	2,754.9376	0.1235	0.1495	2,802.5613
2026	0.8157	3.6323	8.3856	0.0292	2.6732	0.0961	2.7693	0.7164	0.0903	0.8067	0.0000	2,688.7347	2,688.7347	0.1204	0.1448	2,734.8951
2027	0.7815	3.5833	8.0628	0.0285	2.6732	0.0954	2.7687	0.7164	0.0897	0.8060	0.0000	2,627.4308	2,627.4308	0.1177	0.1405	2,672.2376
2028	0.7478	3.5293	7.7638	0.0278	2.6630	0.0944	2.7574	0.7136	0.0887	0.8023	0.0000	2,562.3226	2,562.3226	0.1150	0.1361	2,605.7454
2029	0.7215	3.5075	7.5591	0.0274	2.6732	0.0941	2.7673	0.7164	0.0885	0.8048	0.0000	2,522.5241	2,522.5241	0.1135	0.1331	2,565.0221
2030	0.6879	2.8322	7.3676	0.0275	2.6732	0.0405	2.7138	0.7164	0.0394	0.7558	0.0000	2,522.5560	2,522.5560	0.0484	0.1299	2,562.4901
2031	0.6618	2.8145	7.2381	0.0271	2.6732	0.0397	2.7129	0.7164	0.0386	0.7550	0.0000	2,485.0867	2,485.0867	0.0471	0.1271	2,524.1400
2032	0.6406	2.8015	7.1121	0.0268	2.6835	0.0394	2.7228	0.7191	0.0383	0.7574	0.0000	2,459.5093	2,459.5093	0.0460	0.1252	2,497.9597
2033	0.6146	2.7601	6.9270	0.0263	2.6630	0.0386	2.7016	0.7136	0.0376	0.7512	0.0000	2,410.0736	2,410.0736	0.0445	0.1222	2,447.5873
2034	0.5957	2.7421	6.8095	0.0260	2.6630	0.0382	2.7012	0.7136	0.0372	0.7508	0.0000	2,382.8634	2,382.8634	0.0435	0.1203	2,419.8092
2035	0.5682	2.6278	6.7297	0.0258	2.6732	0.0300	2.7032	0.7164	0.0290	0.7454	0.0000	2,368.0652	2,368.0652	0.0417	0.1192	2,404.6383
2036	0.5703	2.6379	6.7555	0.0259	2.6835	0.0301	2.7135	0.7191	0.0291	0.7482	0.0000	2,377.1382	2,377.1382	0.0419	0.1197	2,413.8515
2037	0.5682	2.6278	6.7297	0.0258	2.6732	0.0300	2.7032	0.7164	0.0290	0.7454	0.0000	2,368.0652	2,368.0652	0.0417	0.1192	2,404.6383
2038	1.9749	1.0873	3.1599	0.0101	0.9254	0.0199	0.9453	0.2477	0.0196	0.2672	0.0000	920.7420	920.7420	0.0188	0.0367	932.1534
2039	4.0057	0.1159	0.7324	2.3600e-003	0.3203	1.8900e-003	0.3222	0.0850	1.8300e-003	0.0869	0.0000	214.4166	214.4166	3.4300e-003	3.8900e-003	215.6609
Maximum	4.0057	3.9761	8.7619	0.0299	2.6835	0.1594	2.7699	0.7191	0.1472	0.8072	0.0000	2,754.9376	2,754.9376	0.1689	0.1495	2,802.5613

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	ROG	NOx	CO	SO2	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	2.42	0.00	2.35	3.47	0.00	3.17	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2023	3-31-2023	0.7764	0.7764
2	4-1-2023	6-30-2023	0.8778	0.8778
3	7-1-2023	9-30-2023	1.1343	1.1343
4	10-1-2023	12-31-2023	1.2494	1.2494
5	1-1-2024	3-31-2024	1.1700	1.1700
6	4-1-2024	6-30-2024	1.1905	1.1905
7	7-1-2024	9-30-2024	1.2036	1.2036
8	10-1-2024	12-31-2024	1.2179	1.2179
9	1-1-2025	3-31-2025	1.1282	1.1282
10	4-1-2025	6-30-2025	1.1259	1.1259
11	7-1-2025	9-30-2025	1.1383	1.1383
12	10-1-2025	12-31-2025	1.1532	1.1532
13	1-1-2026	3-31-2026	1.1054	1.1054
14	4-1-2026	6-30-2026	1.1024	1.1024
15	7-1-2026	9-30-2026	1.1145	1.1145
16	10-1-2026	12-31-2026	1.1299	1.1299
17	1-1-2027	3-31-2027	1.0848	1.0848
18	4-1-2027	6-30-2027	1.0812	1.0812
19	7-1-2027	9-30-2027	1.0931	1.0931
20	10-1-2027	12-31-2027	1.1089	1.1089
21	1-1-2028	3-31-2028	1.0791	1.0791
22	4-1-2028	6-30-2028	1.0630	1.0630
23	7-1-2028	9-30-2028	1.0747	1.0747
24	10-1-2028	12-31-2028	1.0909	1.0909

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25	1-1-2029	3-31-2029	1.0512	1.0512
26	4-1-2029	6-30-2029	1.0465	1.0465
27	7-1-2029	9-30-2029	1.0580	1.0580
28	10-1-2029	12-31-2029	1.0746	1.0746
29	1-1-2030	3-31-2030	0.8764	0.8764
30	4-1-2030	6-30-2030	0.8694	0.8694
31	7-1-2030	9-30-2030	0.8790	0.8790
32	10-1-2030	12-31-2030	0.8959	0.8959
33	1-1-2031	3-31-2031	0.8655	0.8655
34	4-1-2031	6-30-2031	0.8579	0.8579
35	7-1-2031	9-30-2031	0.8674	0.8674
36	10-1-2031	12-31-2031	0.8847	0.8847
37	1-1-2032	3-31-2032	0.8632	0.8632
38	4-1-2032	6-30-2032	0.8457	0.8457
39	7-1-2032	9-30-2032	0.8550	0.8550
40	10-1-2032	12-31-2032	0.8727	0.8727
41	1-1-2033	3-31-2033	0.8434	0.8434
42	4-1-2033	6-30-2033	0.8349	0.8349
43	7-1-2033	9-30-2033	0.8441	0.8441
44	10-1-2033	12-31-2033	0.8622	0.8622
45	1-1-2034	3-31-2034	0.8342	0.8342
46	4-1-2034	6-30-2034	0.8252	0.8252
47	7-1-2034	9-30-2034	0.8343	0.8343
48	10-1-2034	12-31-2034	0.8527	0.8527
49	1-1-2035	3-31-2035	0.7960	0.7960
50	4-1-2035	6-30-2035	0.7863	0.7863
51	7-1-2035	9-30-2035	0.7949	0.7949
52	10-1-2035	12-31-2035	0.8137	0.8137
53	1-1-2036	3-31-2036	0.8049	0.8049

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54	4-1-2036	6-30-2036	0.7863	0.7863
55	7-1-2036	9-30-2036	0.7949	0.7949
56	10-1-2036	12-31-2036	0.8137	0.8137
57	1-1-2037	3-31-2037	0.7960	0.7960
58	4-1-2037	6-30-2037	0.7863	0.7863
59	7-1-2037	9-30-2037	0.7949	0.7949
60	10-1-2037	12-31-2037	0.8137	0.8137
61	1-1-2038	3-31-2038	0.7960	0.7960
62	4-1-2038	6-30-2038	0.3224	0.3224
63	7-1-2038	9-30-2038	0.4062	0.4062
64	10-1-2038	12-31-2038	1.5487	1.5487
65	1-1-2039	3-31-2039	1.5151	1.5151
66	4-1-2039	6-30-2039	1.5322	1.5322
67	7-1-2039	9-30-2039	1.0776	1.0776
		Highest	1.5487	1.5487

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2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	7.5213	0.2085	18.0606	9.6000e-004		0.1006	0.1006		0.1006	0.1006	0.0000	29.6319	29.6319	0.0282	0.0000	30.3370
Energy	0.1600	1.3672	0.5818	8.7300e-003		0.1105	0.1105		0.1105	0.1105	0.0000	3,016.2987	3,016.2987	0.1513	0.0437	3,033.1001
Mobile	4.1202	5.5647	45.5650	0.1147	16.5342	0.0639	16.5981	4.4122	0.0600	4.4722	0.0000	10,602.1387	10,602.1387	0.5073	0.4975	10,763.0815
Waste						0.0000	0.0000		0.0000	0.0000	164.2481	0.0000	164.2481	9.7068	0.0000	406.9177
Water						0.0000	0.0000		0.0000	0.0000	36.3592	407.0078	443.3670	3.7688	0.0923	565.1046
Total	11.8015	7.1404	64.2074	0.1243	16.5342	0.2750	16.8093	4.4122	0.2712	4.6834	200.6073	14,055.0771	14,255.6844	14.1624	0.6336	14,798.5409

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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	7.5213	0.2085	18.0606	9.6000e-004		0.1006	0.1006		0.1006	0.1006	0.0000	29.6319	29.6319	0.0282	0.0000	30.3370
Energy	0.1600	1.3672	0.5818	8.7300e-003		0.1105	0.1105		0.1105	0.1105	0.0000	3,016.2987	3,016.2987	0.1513	0.0437	3,033.1001
Mobile	4.1202	5.5647	45.5650	0.1147	16.5342	0.0639	16.5981	4.4122	0.0600	4.4722	0.0000	10,602.1387	10,602.1387	0.5073	0.4975	10,763.0815
Waste						0.0000	0.0000		0.0000	0.0000	164.2481	0.0000	164.2481	9.7068	0.0000	406.9177
Water						0.0000	0.0000		0.0000	0.0000	36.3592	407.0078	443.3670	3.7688	0.0923	565.1046
Total	11.8015	7.1404	64.2074	0.1243	16.5342	0.2750	16.8093	4.4122	0.2712	4.6834	200.6073	14,055.0771	14,255.6844	14.1624	0.6336	14,798.5409

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2023	5/19/2023	5	100	
2	Site Preparation	Site Preparation	5/20/2023	8/11/2023	5	60	
3	Grading	Grading	8/12/2023	3/15/2024	5	155	

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4	Building Construction	Building Construction	3/16/2024	4/17/2038	5	3675
5	Paving	Paving	4/18/2038	9/17/2038	5	110
6	Architectural Coating	Architectural Coating	9/18/2038	9/2/2039	5	250

Acres of Grading (Site Preparation Phase): 90

Acres of Grading (Grading Phase): 465

Acres of Paving: 21.82

Residential Indoor: 3,561,975; Residential Outdoor: 1,187,325; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 57,016 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	8.00	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	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36

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Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	8.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	2.00	227.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,666.00	344.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	333.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 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					0.0248	0.0000	0.0248	3.7500e-003	0.0000	3.7500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1135	1.0742	0.9822	1.9400e-003		0.0499	0.0499		0.0464	0.0464	0.0000	169.9603	169.9603	0.0476	0.0000	171.1503
Total	0.1135	1.0742	0.9822	1.9400e-003	0.0248	0.0499	0.0746	3.7500e-003	0.0464	0.0502	0.0000	169.9603	169.9603	0.0476	0.0000	171.1503

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3.2 Demolition - 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	2.4000e-004	0.0120	3.1400e-003	6.0000e-005	1.9600e-003	1.4000e-004	2.0900e-003	5.4000e-004	1.3000e-004	6.7000e-004	0.0000	6.0459	6.0459	9.0000e-005	9.5000e-004	6.3320
Vendor	1.1000e-004	3.4300e-003	1.3700e-003	2.0000e-005	6.3000e-004	3.0000e-005	6.6000e-004	1.8000e-004	3.0000e-005	2.1000e-004	0.0000	1.6825	1.6825	2.0000e-005	2.5000e-004	1.7571
Worker	2.4300e-003	1.8000e-003	0.0235	7.0000e-005	8.2400e-003	4.0000e-005	8.2800e-003	2.1900e-003	4.0000e-005	2.2300e-003	0.0000	6.2689	6.2689	1.6000e-004	1.7000e-004	6.3224
Total	2.7800e-003	0.0172	0.0280	1.5000e-004	0.0108	2.1000e-004	0.0110	2.9100e-003	2.0000e-004	3.1100e-003	0.0000	13.9974	13.9974	2.7000e-004	1.3700e-003	14.4115

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					9.6600e-003	0.0000	9.6600e-003	1.4600e-003	0.0000	1.4600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1135	1.0742	0.9822	1.9400e-003		0.0499	0.0499		0.0464	0.0464	0.0000	169.9601	169.9601	0.0476	0.0000	171.1501
Total	0.1135	1.0742	0.9822	1.9400e-003	9.6600e-003	0.0499	0.0595	1.4600e-003	0.0464	0.0479	0.0000	169.9601	169.9601	0.0476	0.0000	171.1501

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3.2 Demolition - 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	2.4000e-004	0.0120	3.1400e-003	6.0000e-005	1.9600e-003	1.4000e-004	2.0900e-003	5.4000e-004	1.3000e-004	6.7000e-004	0.0000	6.0459	6.0459	9.0000e-005	9.5000e-004	6.3320
Vendor	1.1000e-004	3.4300e-003	1.3700e-003	2.0000e-005	6.3000e-004	3.0000e-005	6.6000e-004	1.8000e-004	3.0000e-005	2.1000e-004	0.0000	1.6825	1.6825	2.0000e-005	2.5000e-004	1.7571
Worker	2.4300e-003	1.8000e-003	0.0235	7.0000e-005	8.2400e-003	4.0000e-005	8.2800e-003	2.1900e-003	4.0000e-005	2.2300e-003	0.0000	6.2689	6.2689	1.6000e-004	1.7000e-004	6.3224
Total	2.7800e-003	0.0172	0.0280	1.5000e-004	0.0108	2.1000e-004	0.0110	2.9100e-003	2.0000e-004	3.1100e-003	0.0000	13.9974	13.9974	2.7000e-004	1.3700e-003	14.4115

3.3 Site Preparation - 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					0.5897	0.0000	0.5897	0.3031	0.0000	0.3031	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0798	0.8257	0.5473	1.1400e-003		0.0380	0.0380		0.0349	0.0349	0.0000	100.3521	100.3521	0.0325	0.0000	101.1635
Total	0.0798	0.8257	0.5473	1.1400e-003	0.5897	0.0380	0.6277	0.3031	0.0349	0.3380	0.0000	100.3521	100.3521	0.0325	0.0000	101.1635

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3.3 Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0000e-005	2.0600e-003	8.2000e-004	1.0000e-005	3.8000e-004	2.0000e-005	4.0000e-004	1.1000e-004	2.0000e-005	1.3000e-004	0.0000	1.0095	1.0095	1.0000e-005	1.5000e-004	1.0542
Worker	1.7500e-003	1.3000e-003	0.0169	5.0000e-005	5.9400e-003	3.0000e-005	5.9600e-003	1.5800e-003	3.0000e-005	1.6000e-003	0.0000	4.5136	4.5136	1.1000e-004	1.2000e-004	4.5521
Total	1.8200e-003	3.3600e-003	0.0177	6.0000e-005	6.3200e-003	5.0000e-005	6.3600e-003	1.6900e-003	5.0000e-005	1.7300e-003	0.0000	5.5231	5.5231	1.2000e-004	2.7000e-004	5.6064

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					0.2300	0.0000	0.2300	0.1182	0.0000	0.1182	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0798	0.8257	0.5473	1.1400e-003		0.0380	0.0380		0.0349	0.0349	0.0000	100.3520	100.3520	0.0325	0.0000	101.1634
Total	0.0798	0.8257	0.5473	1.1400e-003	0.2300	0.0380	0.2680	0.1182	0.0349	0.1531	0.0000	100.3520	100.3520	0.0325	0.0000	101.1634

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3.3 Site Preparation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0000e-005	2.0600e-003	8.2000e-004	1.0000e-005	3.8000e-004	2.0000e-005	4.0000e-004	1.1000e-004	2.0000e-005	1.3000e-004	0.0000	1.0095	1.0095	1.0000e-005	1.5000e-004	1.0542
Worker	1.7500e-003	1.3000e-003	0.0169	5.0000e-005	5.9400e-003	3.0000e-005	5.9600e-003	1.5800e-003	3.0000e-005	1.6000e-003	0.0000	4.5136	4.5136	1.1000e-004	1.2000e-004	4.5521
Total	1.8200e-003	3.3600e-003	0.0177	6.0000e-005	6.3200e-003	5.0000e-005	6.3600e-003	1.6900e-003	5.0000e-005	1.7300e-003	0.0000	5.5231	5.5231	1.2000e-004	2.7000e-004	5.6064

3.4 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					0.5477	0.0000	0.5477	0.1921	0.0000	0.1921	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1661	1.7258	1.4026	3.1000e-003		0.0712	0.0712		0.0655	0.0655	0.0000	272.6760	272.6760	0.0882	0.0000	274.8808
Total	0.1661	1.7258	1.4026	3.1000e-003	0.5477	0.0712	0.6189	0.1921	0.0655	0.2577	0.0000	272.6760	272.6760	0.0882	0.0000	274.8808

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3.4 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	3.4300e-003	1.3700e-003	2.0000e-005	6.3000e-004	3.0000e-005	6.6000e-004	1.8000e-004	3.0000e-005	2.1000e-004	0.0000	1.6825	1.6825	2.0000e-005	2.5000e-004	1.7571
Worker	3.2400e-003	2.4000e-003	0.0313	9.0000e-005	0.0110	5.0000e-005	0.0110	2.9200e-003	5.0000e-005	2.9700e-003	0.0000	8.3585	8.3585	2.1000e-004	2.2000e-004	8.4299
Total	3.3500e-003	5.8300e-003	0.0327	1.1000e-004	0.0116	8.0000e-005	0.0117	3.1000e-003	8.0000e-005	3.1800e-003	0.0000	10.0410	10.0410	2.3000e-004	4.7000e-004	10.1870

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					0.2136	0.0000	0.2136	0.0749	0.0000	0.0749	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1661	1.7258	1.4026	3.1000e-003		0.0712	0.0712		0.0655	0.0655	0.0000	272.6757	272.6757	0.0882	0.0000	274.8804
Total	0.1661	1.7258	1.4026	3.1000e-003	0.2136	0.0712	0.2848	0.0749	0.0655	0.1405	0.0000	272.6757	272.6757	0.0882	0.0000	274.8804

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3.4 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	3.4300e-003	1.3700e-003	2.0000e-005	6.3000e-004	3.0000e-005	6.6000e-004	1.8000e-004	3.0000e-005	2.1000e-004	0.0000	1.6825	1.6825	2.0000e-005	2.5000e-004	1.7571
Worker	3.2400e-003	2.4000e-003	0.0313	9.0000e-005	0.0110	5.0000e-005	0.0110	2.9200e-003	5.0000e-005	2.9700e-003	0.0000	8.3585	8.3585	2.1000e-004	2.2000e-004	8.4299
Total	3.3500e-003	5.8300e-003	0.0327	1.1000e-004	0.0116	8.0000e-005	0.0117	3.1000e-003	8.0000e-005	3.1800e-003	0.0000	10.0410	10.0410	2.3000e-004	4.7000e-004	10.1870

3.4 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					0.4122	0.0000	0.4122	0.1177	0.0000	0.1177	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0885	0.8904	0.7624	1.7100e-003		0.0367	0.0367		0.0338	0.0338	0.0000	149.9287	149.9287	0.0485	0.0000	151.1409
Total	0.0885	0.8904	0.7624	1.7100e-003	0.4122	0.0367	0.4489	0.1177	0.0338	0.1514	0.0000	149.9287	149.9287	0.0485	0.0000	151.1409

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3.4 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	1.8900e-003	7.4000e-004	1.0000e-005	3.5000e-004	2.0000e-005	3.6000e-004	1.0000e-004	1.0000e-005	1.2000e-004	0.0000	0.9111	0.9111	1.0000e-005	1.3000e-004	0.9515
Worker	1.6700e-003	1.1800e-003	0.0161	5.0000e-005	6.0500e-003	3.0000e-005	6.0700e-003	1.6100e-003	3.0000e-005	1.6300e-003	0.0000	4.4516	4.4516	1.0000e-004	1.1000e-004	4.4880
Total	1.7300e-003	3.0700e-003	0.0168	6.0000e-005	6.4000e-003	5.0000e-005	6.4300e-003	1.7100e-003	4.0000e-005	1.7500e-003	0.0000	5.3628	5.3628	1.1000e-004	2.4000e-004	5.4395

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					0.1608	0.0000	0.1608	0.0459	0.0000	0.0459	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0885	0.8904	0.7624	1.7100e-003		0.0367	0.0367		0.0338	0.0338	0.0000	149.9285	149.9285	0.0485	0.0000	151.1408
Total	0.0885	0.8904	0.7624	1.7100e-003	0.1608	0.0367	0.1975	0.0459	0.0338	0.0797	0.0000	149.9285	149.9285	0.0485	0.0000	151.1408

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3.4 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	1.8900e-003	7.4000e-004	1.0000e-005	3.5000e-004	2.0000e-005	3.6000e-004	1.0000e-004	1.0000e-005	1.2000e-004	0.0000	0.9111	0.9111	1.0000e-005	1.3000e-004	0.9515
Worker	1.6700e-003	1.1800e-003	0.0161	5.0000e-005	6.0500e-003	3.0000e-005	6.0700e-003	1.6100e-003	3.0000e-005	1.6300e-003	0.0000	4.4516	4.4516	1.0000e-004	1.1000e-004	4.4880
Total	1.7300e-003	3.0700e-003	0.0168	6.0000e-005	6.4000e-003	5.0000e-005	6.4300e-003	1.7100e-003	4.0000e-005	1.7500e-003	0.0000	5.3628	5.3628	1.1000e-004	2.4000e-004	5.4395

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1622	1.4930	1.7830	2.9900e-003		0.0679	0.0679		0.0638	0.0638	0.0000	257.1476	257.1476	0.0623	0.0000	258.7052
Total	0.1622	1.4930	1.7830	2.9900e-003		0.0679	0.0679		0.0638	0.0638	0.0000	257.1476	257.1476	0.0623	0.0000	258.7052

Calimesa RIPAOZ - Riverside-South Coast County, Annual

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

3.5 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0380	1.2208	0.4808	6.1300e-003	0.2249	0.0101	0.2350	0.0649	9.6400e-003	0.0745	0.0000	589.8109	589.8109	6.2700e-003	0.0871	615.9169
Worker	0.5221	0.3688	5.0489	0.0152	1.8952	8.6000e-003	1.9038	0.5033	7.9100e-003	0.5112	0.0000	1,395.6347	1,395.6347	0.0326	0.0355	1,407.0415
Total	0.5601	1.5896	5.5297	0.0214	2.1202	0.0187	2.1388	0.5682	0.0176	0.5857	0.0000	1,985.4456	1,985.4456	0.0389	0.1226	2,022.9585

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	0.1622	1.4930	1.7830	2.9900e-003		0.0679	0.0679		0.0638	0.0638	0.0000	257.1473	257.1473	0.0623	0.0000	258.7049
Total	0.1622	1.4930	1.7830	2.9900e-003		0.0679	0.0679		0.0638	0.0638	0.0000	257.1473	257.1473	0.0623	0.0000	258.7049

Calimesa RIPAOZ - Riverside-South Coast County, Annual

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

3.5 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0380	1.2208	0.4808	6.1300e-003	0.2249	0.0101	0.2350	0.0649	9.6400e-003	0.0745	0.0000	589.8109	589.8109	6.2700e-003	0.0871	615.9169
Worker	0.5221	0.3688	5.0489	0.0152	1.8952	8.6000e-003	1.9038	0.5033	7.9100e-003	0.5112	0.0000	1,395.6347	1,395.6347	0.0326	0.0355	1,407.0415
Total	0.5601	1.5896	5.5297	0.0214	2.1202	0.0187	2.1388	0.5682	0.0176	0.5857	0.0000	1,985.4456	1,985.4456	0.0389	0.1226	2,022.9585

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1900	1.7443	2.2365	3.7700e-003		0.0737	0.0737		0.0692	0.0692	0.0000	324.3345	324.3345	0.0782	0.0000	326.2884
Total	0.1900	1.7443	2.2365	3.7700e-003		0.0737	0.0737		0.0692	0.0692	0.0000	324.3345	324.3345	0.0782	0.0000	326.2884

Calimesa RIPAOZ - Riverside-South Coast County, Annual

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

3.5 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0473	1.5266	0.5995	7.5900e-003	0.2836	0.0127	0.2963	0.0818	0.0122	0.0940	0.0000	730.5701	730.5701	8.2000e-003	0.1076	762.8522
Worker	0.6158	0.4166	5.9259	0.0185	2.3897	0.0103	2.3999	0.6346	9.4700e-003	0.6440	0.0000	1,700.0334	1,700.0334	0.0372	0.0418	1,713.4211
Total	0.6630	1.9432	6.5254	0.0261	2.6732	0.0230	2.6962	0.7164	0.0216	0.7380	0.0000	2,430.6035	2,430.6035	0.0454	0.1495	2,476.2733

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	0.1900	1.7443	2.2365	3.7700e-003		0.0737	0.0737		0.0692	0.0692	0.0000	324.3341	324.3341	0.0782	0.0000	326.2881
Total	0.1900	1.7443	2.2365	3.7700e-003		0.0737	0.0737		0.0692	0.0692	0.0000	324.3341	324.3341	0.0782	0.0000	326.2881

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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 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0473	1.5266	0.5995	7.5900e-003	0.2836	0.0127	0.2963	0.0818	0.0122	0.0940	0.0000	730.5701	730.5701	8.2000e-003	0.1076	762.8522
Worker	0.6158	0.4166	5.9259	0.0185	2.3897	0.0103	2.3999	0.6346	9.4700e-003	0.6440	0.0000	1,700.0334	1,700.0334	0.0372	0.0418	1,713.4211
Total	0.6630	1.9432	6.5254	0.0261	2.6732	0.0230	2.6962	0.7164	0.0216	0.7380	0.0000	2,430.6035	2,430.6035	0.0454	0.1495	2,476.2733

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1900	1.7443	2.2365	3.7700e-003		0.0737	0.0737		0.0692	0.0692	0.0000	324.3345	324.3345	0.0782	0.0000	326.2884
Total	0.1900	1.7443	2.2365	3.7700e-003		0.0737	0.0737		0.0692	0.0692	0.0000	324.3345	324.3345	0.0782	0.0000	326.2884

Calimesa RIPAOZ - Riverside-South Coast County, Annual

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

3.5 Building Construction - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0467	1.5111	0.5938	7.4500e-003	0.2836	0.0127	0.2963	0.0818	0.0121	0.0939	0.0000	717.2814	717.2814	8.4900e-003	0.1055	748.9256
Worker	0.5790	0.3769	5.5554	0.0180	2.3897	9.7400e-003	2.3994	0.6346	8.9600e-003	0.6435	0.0000	1,647.1192	1,647.1192	0.0338	0.0393	1,659.6814
Total	0.6257	1.8880	6.1492	0.0254	2.6732	0.0224	2.6956	0.7164	0.0211	0.7374	0.0000	2,364.4006	2,364.4006	0.0422	0.1448	2,408.6071

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	0.1900	1.7443	2.2365	3.7700e-003		0.0737	0.0737		0.0692	0.0692	0.0000	324.3341	324.3341	0.0782	0.0000	326.2881
Total	0.1900	1.7443	2.2365	3.7700e-003		0.0737	0.0737		0.0692	0.0692	0.0000	324.3341	324.3341	0.0782	0.0000	326.2881

Calimesa RIPAOZ - Riverside-South Coast County, Annual

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

3.5 Building Construction - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0467	1.5111	0.5938	7.4500e-003	0.2836	0.0127	0.2963	0.0818	0.0121	0.0939	0.0000	717.2814	717.2814	8.4900e-003	0.1055	748.9256
Worker	0.5790	0.3769	5.5554	0.0180	2.3897	9.7400e-003	2.3994	0.6346	8.9600e-003	0.6435	0.0000	1,647.1192	1,647.1192	0.0338	0.0393	1,659.6814
Total	0.6257	1.8880	6.1492	0.0254	2.6732	0.0224	2.6956	0.7164	0.0211	0.7374	0.0000	2,364.4006	2,364.4006	0.0422	0.1448	2,408.6071

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1900	1.7443	2.2365	3.7700e-003		0.0737	0.0737		0.0692	0.0692	0.0000	324.3345	324.3345	0.0782	0.0000	326.2884
Total	0.1900	1.7443	2.2365	3.7700e-003		0.0737	0.0737		0.0692	0.0692	0.0000	324.3345	324.3345	0.0782	0.0000	326.2884

Calimesa RIPAOZ - Riverside-South Coast County, Annual

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

3.5 Building Construction - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0462	1.4957	0.5892	7.3000e-003	0.2836	0.0126	0.2962	0.0818	0.0121	0.0939	0.0000	703.3026	703.3026	8.7500e-003	0.1033	734.2884
Worker	0.5453	0.3433	5.2372	0.0175	2.3897	9.1400e-003	2.3988	0.6346	8.4100e-003	0.6430	0.0000	1,599.7941	1,599.7941	0.0308	0.0372	1,611.6611
Total	0.5915	1.8390	5.8264	0.0248	2.6732	0.0217	2.6950	0.7164	0.0205	0.7368	0.0000	2,303.0967	2,303.0967	0.0396	0.1405	2,345.9495

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	0.1900	1.7443	2.2365	3.7700e-003		0.0737	0.0737		0.0692	0.0692	0.0000	324.3341	324.3341	0.0782	0.0000	326.2881
Total	0.1900	1.7443	2.2365	3.7700e-003		0.0737	0.0737		0.0692	0.0692	0.0000	324.3341	324.3341	0.0782	0.0000	326.2881

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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 Building Construction - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0462	1.4957	0.5892	7.3000e-003	0.2836	0.0126	0.2962	0.0818	0.0121	0.0939	0.0000	703.3026	703.3026	8.7500e-003	0.1033	734.2884
Worker	0.5453	0.3433	5.2372	0.0175	2.3897	9.1400e-003	2.3988	0.6346	8.4100e-003	0.6430	0.0000	1,599.794 1	1,599.794 1	0.0308	0.0372	1,611.661 1
Total	0.5915	1.8390	5.8264	0.0248	2.6732	0.0217	2.6950	0.7164	0.0205	0.7368	0.0000	2,303.096 7	2,303.096 7	0.0396	0.1405	2,345.949 5

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1893	1.7376	2.2279	3.7500e-003		0.0734	0.0734		0.0690	0.0690	0.0000	323.0919	323.0919	0.0779	0.0000	325.0383
Total	0.1893	1.7376	2.2279	3.7500e-003		0.0734	0.0734		0.0690	0.0690	0.0000	323.0919	323.0919	0.0779	0.0000	325.0383

Calimesa RIPAOZ - Riverside-South Coast County, Annual

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

3.5 Building Construction - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0457	1.4777	0.5837	7.1300e-003	0.2825	0.0125	0.2950	0.0815	0.0119	0.0935	0.0000	687.2376	687.2376	8.9900e-003	0.1007	717.4710
Worker	0.5129	0.3140	4.9522	0.0169	2.3805	8.4900e-003	2.3890	0.6321	7.8100e-003	0.6399	0.0000	1,551.9936	1,551.9936	0.0282	0.0354	1,563.2365
Total	0.5586	1.7917	5.5359	0.0241	2.6630	0.0210	2.6840	0.7136	0.0198	0.7334	0.0000	2,239.2311	2,239.2311	0.0372	0.1361	2,280.7075

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	0.1893	1.7376	2.2279	3.7500e-003		0.0734	0.0734		0.0690	0.0690	0.0000	323.0915	323.0915	0.0779	0.0000	325.0379
Total	0.1893	1.7376	2.2279	3.7500e-003		0.0734	0.0734		0.0690	0.0690	0.0000	323.0915	323.0915	0.0779	0.0000	325.0379

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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 Building Construction - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0457	1.4777	0.5837	7.1300e-003	0.2825	0.0125	0.2950	0.0815	0.0119	0.0935	0.0000	687.2376	687.2376	8.9900e-003	0.1007	717.4710
Worker	0.5129	0.3140	4.9522	0.0169	2.3805	8.4900e-003	2.3890	0.6321	7.8100e-003	0.6399	0.0000	1,551.9936	1,551.9936	0.0282	0.0354	1,563.2365
Total	0.5586	1.7917	5.5359	0.0241	2.6630	0.0210	2.6840	0.7136	0.0198	0.7334	0.0000	2,239.2311	2,239.2311	0.0372	0.1361	2,280.7075

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1900	1.7443	2.2365	3.7700e-003		0.0737	0.0737		0.0692	0.0692	0.0000	324.3345	324.3345	0.0782	0.0000	326.2884
Total	0.1900	1.7443	2.2365	3.7700e-003		0.0737	0.0737		0.0692	0.0692	0.0000	324.3345	324.3345	0.0782	0.0000	326.2884

Calimesa RIPAOZ - Riverside-South Coast County, Annual

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

3.5 Building Construction - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0456	1.4721	0.5834	7.0300e-003	0.2836	0.0125	0.2961	0.0818	0.0119	0.0937	0.0000	677.2456	677.2456	9.3000e-003	0.0991	706.9980
Worker	0.4859	0.2911	4.7392	0.0166	2.3897	7.9400e-003	2.3976	0.6346	7.3000e-003	0.6419	0.0000	1,520.9444	1,520.9444	0.0261	0.0340	1,531.7361
Total	0.5315	1.7632	5.3226	0.0236	2.6732	0.0204	2.6936	0.7164	0.0192	0.7356	0.0000	2,198.1899	2,198.1899	0.0354	0.1331	2,238.7341

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	0.1900	1.7443	2.2365	3.7700e-003		0.0737	0.0737		0.0692	0.0692	0.0000	324.3341	324.3341	0.0782	0.0000	326.2881
Total	0.1900	1.7443	2.2365	3.7700e-003		0.0737	0.0737		0.0692	0.0692	0.0000	324.3341	324.3341	0.0782	0.0000	326.2881

Calimesa RIPAOZ - Riverside-South Coast County, Annual

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

3.5 Building Construction - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0456	1.4721	0.5834	7.0300e-003	0.2836	0.0125	0.2961	0.0818	0.0119	0.0937	0.0000	677.2456	677.2456	9.3000e-003	0.0991	706.9980
Worker	0.4859	0.2911	4.7392	0.0166	2.3897	7.9400e-003	2.3976	0.6346	7.3000e-003	0.6419	0.0000	1,520.9444	1,520.9444	0.0261	0.0340	1,531.7361
Total	0.5315	1.7632	5.3226	0.0236	2.6732	0.0204	2.6936	0.7164	0.0192	0.7356	0.0000	2,198.1899	2,198.1899	0.0354	0.1331	2,238.7341

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1836	1.1002	2.2454	4.3400e-003		0.0207	0.0207		0.0207	0.0207	0.0000	368.9403	368.9403	0.0148	0.0000	369.3099
Total	0.1836	1.1002	2.2454	4.3400e-003		0.0207	0.0207		0.0207	0.0207	0.0000	368.9403	368.9403	0.0148	0.0000	369.3099

Calimesa RIPAOZ - Riverside-South Coast County, Annual

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

3.5 Building Construction - 2030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0453	1.4616	0.5816	6.9000e-003	0.2836	0.0124	0.2960	0.0818	0.0119	0.0937	0.0000	665.3590	665.3590	9.5500e-003	0.0972	694.5511
Worker	0.4590	0.2704	4.5407	0.0162	2.3897	7.4100e-003	2.3971	0.6346	6.8100e-003	0.6414	0.0000	1,488.2572	1,488.2572	0.0241	0.0328	1,498.6296
Total	0.5043	1.7320	5.1222	0.0231	2.6732	0.0198	2.6930	0.7164	0.0187	0.7350	0.0000	2,153.6162	2,153.6162	0.0337	0.1299	2,193.1807

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	0.1836	1.1002	2.2454	4.3400e-003		0.0207	0.0207		0.0207	0.0207	0.0000	368.9398	368.9398	0.0148	0.0000	369.3095
Total	0.1836	1.1002	2.2454	4.3400e-003		0.0207	0.0207		0.0207	0.0207	0.0000	368.9398	368.9398	0.0148	0.0000	369.3095

Calimesa RIPAOZ - Riverside-South Coast County, Annual

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

3.5 Building Construction - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0453	1.4616	0.5816	6.9000e-003	0.2836	0.0124	0.2960	0.0818	0.0119	0.0937	0.0000	665.3590	665.3590	9.5500e-003	0.0972	694.5511
Worker	0.4590	0.2704	4.5407	0.0162	2.3897	7.4100e-003	2.3971	0.6346	6.8100e-003	0.6414	0.0000	1,488.2572	1,488.2572	0.0241	0.0328	1,498.6296
Total	0.5043	1.7320	5.1222	0.0231	2.6732	0.0198	2.6930	0.7164	0.0187	0.7350	0.0000	2,153.6162	2,153.6162	0.0337	0.1299	2,193.1807

3.5 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1836	1.1002	2.2454	4.3400e-003		0.0207	0.0207		0.0207	0.0207	0.0000	368.9403	368.9403	0.0148	0.0000	369.3099
Total	0.1836	1.1002	2.2454	4.3400e-003		0.0207	0.0207		0.0207	0.0207	0.0000	368.9403	368.9403	0.0148	0.0000	369.3099

Calimesa RIPAOZ - Riverside-South Coast County, Annual

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

3.5 Building Construction - 2031

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0451	1.4620	0.5821	6.7800e-003	0.2836	0.0120	0.2955	0.0818	0.0114	0.0933	0.0000	653.9292	653.9292	9.7900e-003	0.0954	682.5874
Worker	0.4330	0.2524	4.4106	0.0160	2.3897	7.0200e-003	2.3967	0.6346	6.4600e-003	0.6410	0.0000	1,462.2177	1,462.2177	0.0225	0.0318	1,472.2432
Total	0.4782	1.7143	4.9927	0.0227	2.6732	0.0190	2.6922	0.7164	0.0179	0.7343	0.0000	2,116.1469	2,116.1469	0.0323	0.1271	2,154.8305

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	0.1836	1.1002	2.2454	4.3400e-003		0.0207	0.0207		0.0207	0.0207	0.0000	368.9398	368.9398	0.0148	0.0000	369.3095
Total	0.1836	1.1002	2.2454	4.3400e-003		0.0207	0.0207		0.0207	0.0207	0.0000	368.9398	368.9398	0.0148	0.0000	369.3095

Calimesa RIPAOZ - Riverside-South Coast County, Annual

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

3.5 Building Construction - 2031

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0451	1.4620	0.5821	6.7800e-003	0.2836	0.0120	0.2955	0.0818	0.0114	0.0933	0.0000	653.9292	653.9292	9.7900e-003	0.0954	682.5874
Worker	0.4330	0.2524	4.4106	0.0160	2.3897	7.0200e-003	2.3967	0.6346	6.4600e-003	0.6410	0.0000	1,462.2177	1,462.2177	0.0225	0.0318	1,472.2432
Total	0.4782	1.7143	4.9927	0.0227	2.6732	0.0190	2.6922	0.7164	0.0179	0.7343	0.0000	2,116.1469	2,116.1469	0.0323	0.1271	2,154.8305

3.5 Building Construction - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1843	1.1044	2.2540	4.3600e-003		0.0208	0.0208		0.0208	0.0208	0.0000	370.3538	370.3538	0.0148	0.0000	370.7249
Total	0.1843	1.1044	2.2540	4.3600e-003		0.0208	0.0208		0.0208	0.0208	0.0000	370.3538	370.3538	0.0148	0.0000	370.7249

Calimesa RIPAOZ - Riverside-South Coast County, Annual

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

3.5 Building Construction - 2032

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0453	1.4592	0.5848	6.7000e-003	0.2847	0.0120	0.2966	0.0821	0.0114	0.0936	0.0000	646.8874	646.8874	0.0101	0.0942	675.2093
Worker	0.4110	0.2379	4.2734	0.0157	2.3988	6.6000e-003	2.4054	0.6370	6.0700e-003	0.6431	0.0000	1,442.2685	1,442.2685	0.0211	0.0310	1,452.0259
Total	0.4563	1.6971	4.8582	0.0224	2.6835	0.0186	2.7020	0.7191	0.0175	0.7366	0.0000	2,089.1559	2,089.1559	0.0311	0.1252	2,127.2353

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	0.1843	1.1044	2.2540	4.3600e-003		0.0208	0.0208		0.0208	0.0208	0.0000	370.3534	370.3534	0.0148	0.0000	370.7245
Total	0.1843	1.1044	2.2540	4.3600e-003		0.0208	0.0208		0.0208	0.0208	0.0000	370.3534	370.3534	0.0148	0.0000	370.7245

Calimesa RIPAOZ - Riverside-South Coast County, Annual

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

3.5 Building Construction - 2032

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0453	1.4592	0.5848	6.7000e-003	0.2847	0.0120	0.2966	0.0821	0.0114	0.0936	0.0000	646.8874	646.8874	0.0101	0.0942	675.2093
Worker	0.4110	0.2379	4.2734	0.0157	2.3988	6.6000e-003	2.4054	0.6370	6.0700e-003	0.6431	0.0000	1,442.2685	1,442.2685	0.0211	0.0310	1,452.0259
Total	0.4563	1.6971	4.8582	0.0224	2.6835	0.0186	2.7020	0.7191	0.0175	0.7366	0.0000	2,089.1559	2,089.1559	0.0311	0.1252	2,127.2353

3.5 Building Construction - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1829	1.0960	2.2368	4.3200e-003		0.0206	0.0206		0.0206	0.0206	0.0000	367.5267	367.5267	0.0147	0.0000	367.8949
Total	0.1829	1.0960	2.2368	4.3200e-003		0.0206	0.0206		0.0206	0.0206	0.0000	367.5267	367.5267	0.0147	0.0000	367.8949

Calimesa RIPAOZ - Riverside-South Coast County, Annual

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

3.5 Building Construction - 2033

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0450	1.4408	0.5816	6.5700e-003	0.2825	0.0118	0.2943	0.0815	0.0113	0.0928	0.0000	633.5617	633.5617	0.0102	0.0922	661.2774
Worker	0.3868	0.2234	4.1087	0.0154	2.3805	6.1500e-003	2.3866	0.6321	5.6600e-003	0.6378	0.0000	1,408.9856	1,408.9856	0.0196	0.0300	1,418.4153
Total	0.4317	1.6641	4.6903	0.0219	2.6630	0.0180	2.6810	0.7136	0.0170	0.7306	0.0000	2,042.5474	2,042.5474	0.0298	0.1222	2,079.6928

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	0.1829	1.0960	2.2368	4.3200e-003		0.0206	0.0206		0.0206	0.0206	0.0000	367.5263	367.5263	0.0147	0.0000	367.8945
Total	0.1829	1.0960	2.2368	4.3200e-003		0.0206	0.0206		0.0206	0.0206	0.0000	367.5263	367.5263	0.0147	0.0000	367.8945

Calimesa RIPAOZ - Riverside-South Coast County, Annual

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

3.5 Building Construction - 2033

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0450	1.4408	0.5816	6.5700e-003	0.2825	0.0118	0.2943	0.0815	0.0113	0.0928	0.0000	633.5617	633.5617	0.0102	0.0922	661.2774
Worker	0.3868	0.2234	4.1087	0.0154	2.3805	6.1500e-003	2.3866	0.6321	5.6600e-003	0.6378	0.0000	1,408.9856	1,408.9856	0.0196	0.0300	1,418.4153
Total	0.4317	1.6641	4.6903	0.0219	2.6630	0.0180	2.6810	0.7136	0.0170	0.7306	0.0000	2,042.5474	2,042.5474	0.0298	0.1222	2,079.6928

3.5 Building Construction - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1829	1.0960	2.2368	4.3200e-003		0.0206	0.0206		0.0206	0.0206	0.0000	367.5267	367.5267	0.0147	0.0000	367.8949
Total	0.1829	1.0960	2.2368	4.3200e-003		0.0206	0.0206		0.0206	0.0206	0.0000	367.5267	367.5267	0.0147	0.0000	367.8949

Calimesa RIPAOZ - Riverside-South Coast County, Annual

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

3.5 Building Construction - 2034

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0451	1.4334	0.5830	6.4800e-003	0.2825	0.0118	0.2943	0.0815	0.0113	0.0928	0.0000	625.9267	625.9267	0.0104	0.0910	653.2887
Worker	0.3678	0.2127	3.9898	0.0152	2.3805	5.7800e-003	2.3863	0.6321	5.3200e-003	0.6374	0.0000	1,389.4104	1,389.4104	0.0184	0.0294	1,398.6260
Total	0.4128	1.6461	4.5728	0.0216	2.6630	0.0176	2.6805	0.7136	0.0166	0.7302	0.0000	2,015.3371	2,015.3371	0.0287	0.1203	2,051.9147

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	0.1829	1.0960	2.2368	4.3200e-003		0.0206	0.0206		0.0206	0.0206	0.0000	367.5263	367.5263	0.0147	0.0000	367.8945
Total	0.1829	1.0960	2.2368	4.3200e-003		0.0206	0.0206		0.0206	0.0206	0.0000	367.5263	367.5263	0.0147	0.0000	367.8945

Calimesa RIPA0Z - Riverside-South Coast County, Annual

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

3.5 Building Construction - 2034

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0451	1.4334	0.5830	6.4800e-003	0.2825	0.0118	0.2943	0.0815	0.0113	0.0928	0.0000	625.9267	625.9267	0.0104	0.0910	653.2887
Worker	0.3678	0.2127	3.9898	0.0152	2.3805	5.7800e-003	2.3863	0.6321	5.3200e-003	0.6374	0.0000	1,389.4104	1,389.4104	0.0184	0.0294	1,398.6260
Total	0.4128	1.6461	4.5728	0.0216	2.6630	0.0176	2.6805	0.7136	0.0166	0.7302	0.0000	2,015.3371	2,015.3371	0.0287	0.1203	2,051.9147

3.5 Building Construction - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1707	0.9906	2.2401	4.3400e-003		0.0127	0.0127		0.0127	0.0127	0.0000	368.9403	368.9403	0.0137	0.0000	369.2837
Total	0.1707	0.9906	2.2401	4.3400e-003		0.0127	0.0127		0.0127	0.0127	0.0000	368.9403	368.9403	0.0137	0.0000	369.2837

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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 Building Construction - 2035

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0453	1.4320	0.5866	6.4400e-003	0.2836	0.0118	0.2953	0.0818	0.0113	0.0931	0.0000	621.4959	621.4959	0.0106	0.0902	648.6469
Worker	0.3521	0.2052	3.9030	0.0150	2.3897	5.4700e-003	2.3951	0.6346	5.0400e-003	0.6396	0.0000	1,377.6294	1,377.6294	0.0174	0.0290	1,386.7082
Total	0.3975	1.6372	4.4896	0.0215	2.6732	0.0172	2.6905	0.7164	0.0163	0.7326	0.0000	1,999.1254	1,999.1254	0.0280	0.1192	2,035.3551

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	0.1707	0.9906	2.2401	4.3400e-003		0.0127	0.0127		0.0127	0.0127	0.0000	368.9398	368.9398	0.0137	0.0000	369.2833
Total	0.1707	0.9906	2.2401	4.3400e-003		0.0127	0.0127		0.0127	0.0127	0.0000	368.9398	368.9398	0.0137	0.0000	369.2833

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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 Building Construction - 2035

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0453	1.4320	0.5866	6.4400e-003	0.2836	0.0118	0.2953	0.0818	0.0113	0.0931	0.0000	621.4959	621.4959	0.0106	0.0902	648.6469
Worker	0.3521	0.2052	3.9030	0.0150	2.3897	5.4700e-003	2.3951	0.6346	5.0400e-003	0.6396	0.0000	1,377.6294	1,377.6294	0.0174	0.0290	1,386.7082
Total	0.3975	1.6372	4.4896	0.0215	2.6732	0.0172	2.6905	0.7164	0.0163	0.7326	0.0000	1,999.1254	1,999.1254	0.0280	0.1192	2,035.3551

3.5 Building Construction - 2036

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	0.1714	0.9944	2.2487	4.3600e-003		0.0128	0.0128		0.0128	0.0128	0.0000	370.3538	370.3538	0.0138	0.0000	370.6986
Total	0.1714	0.9944	2.2487	4.3600e-003		0.0128	0.0128		0.0128	0.0128	0.0000	370.3538	370.3538	0.0138	0.0000	370.6986

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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 Building Construction - 2036

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	0.0455	1.4375	0.5888	6.4600e-003	0.2847	0.0118	0.2965	0.0821	0.0113	0.0934	0.0000	623.8772	623.8772	0.0106	0.0906	651.1321
Worker	0.3535	0.2060	3.9180	0.0151	2.3988	5.4900e-003	2.4043	0.6370	5.0600e-003	0.6420	0.0000	1,382.9077	1,382.9077	0.0175	0.0291	1,392.0212
Total	0.3990	1.6435	4.5068	0.0215	2.6835	0.0173	2.7008	0.7191	0.0164	0.7355	0.0000	2,006.7849	2,006.7849	0.0281	0.1197	2,043.1533

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	0.1714	0.9944	2.2487	4.3600e-003		0.0128	0.0128		0.0128	0.0128	0.0000	370.3534	370.3534	0.0138	0.0000	370.6981
Total	0.1714	0.9944	2.2487	4.3600e-003		0.0128	0.0128		0.0128	0.0128	0.0000	370.3534	370.3534	0.0138	0.0000	370.6981

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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 Building Construction - 2036

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	0.0455	1.4375	0.5888	6.4600e-003	0.2847	0.0118	0.2965	0.0821	0.0113	0.0934	0.0000	623.8772	623.8772	0.0106	0.0906	651.1321
Worker	0.3535	0.2060	3.9180	0.0151	2.3988	5.4900e-003	2.4043	0.6370	5.0600e-003	0.6420	0.0000	1,382.9077	1,382.9077	0.0175	0.0291	1,392.0212
Total	0.3990	1.6435	4.5068	0.0215	2.6835	0.0173	2.7008	0.7191	0.0164	0.7355	0.0000	2,006.7849	2,006.7849	0.0281	0.1197	2,043.1533

3.5 Building Construction - 2037

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	0.1707	0.9906	2.2401	4.3400e-003		0.0127	0.0127		0.0127	0.0127	0.0000	368.9403	368.9403	0.0137	0.0000	369.2837
Total	0.1707	0.9906	2.2401	4.3400e-003		0.0127	0.0127		0.0127	0.0127	0.0000	368.9403	368.9403	0.0137	0.0000	369.2837

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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 Building Construction - 2037

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	0.0453	1.4320	0.5866	6.4400e-003	0.2836	0.0118	0.2953	0.0818	0.0113	0.0931	0.0000	621.4959	621.4959	0.0106	0.0902	648.6469
Worker	0.3521	0.2052	3.9030	0.0150	2.3897	5.4700e-003	2.3951	0.6346	5.0400e-003	0.6396	0.0000	1,377.6294	1,377.6294	0.0174	0.0290	1,386.7082
Total	0.3975	1.6372	4.4896	0.0215	2.6732	0.0172	2.6905	0.7164	0.0163	0.7326	0.0000	1,999.1254	1,999.1254	0.0280	0.1192	2,035.3551

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	0.1707	0.9906	2.2401	4.3400e-003		0.0127	0.0127		0.0127	0.0127	0.0000	368.9398	368.9398	0.0137	0.0000	369.2833
Total	0.1707	0.9906	2.2401	4.3400e-003		0.0127	0.0127		0.0127	0.0127	0.0000	368.9398	368.9398	0.0137	0.0000	369.2833

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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 Building Construction - 2037

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	0.0453	1.4320	0.5866	6.4400e-003	0.2836	0.0118	0.2953	0.0818	0.0113	0.0931	0.0000	621.4959	621.4959	0.0106	0.0902	648.6469
Worker	0.3521	0.2052	3.9030	0.0150	2.3897	5.4700e-003	2.3951	0.6346	5.0400e-003	0.6396	0.0000	1,377.6294	1,377.6294	0.0174	0.0290	1,386.7082
Total	0.3975	1.6372	4.4896	0.0215	2.6732	0.0172	2.6905	0.7164	0.0163	0.7326	0.0000	1,999.1254	1,999.1254	0.0280	0.1192	2,035.3551

3.5 Building Construction - 2038

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	0.0497	0.2885	0.6523	1.2600e-003		3.7100e-003	3.7100e-003		3.7100e-003	3.7100e-003	0.0000	107.4309	107.4309	4.0000e-003	0.0000	107.5309
Total	0.0497	0.2885	0.6523	1.2600e-003		3.7100e-003	3.7100e-003		3.7100e-003	3.7100e-003	0.0000	107.4309	107.4309	4.0000e-003	0.0000	107.5309

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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 Building Construction - 2038

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	0.0132	0.4170	0.1708	1.8700e-003	0.0826	3.4200e-003	0.0860	0.0238	3.2800e-003	0.0271	0.0000	180.9720	180.9720	3.0800e-003	0.0263	188.8780
Worker	0.1025	0.0598	1.1365	4.3700e-003	0.6958	1.5900e-003	0.6974	0.1848	1.4700e-003	0.1862	0.0000	401.1488	401.1488	5.0600e-003	8.4500e-003	403.7924
Total	0.1157	0.4767	1.3073	6.2400e-003	0.7784	5.0100e-003	0.7834	0.2086	4.7500e-003	0.2133	0.0000	582.1208	582.1208	8.1400e-003	0.0347	592.6704

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	0.0497	0.2885	0.6523	1.2600e-003		3.7100e-003	3.7100e-003		3.7100e-003	3.7100e-003	0.0000	107.4308	107.4308	4.0000e-003	0.0000	107.5308
Total	0.0497	0.2885	0.6523	1.2600e-003		3.7100e-003	3.7100e-003		3.7100e-003	3.7100e-003	0.0000	107.4308	107.4308	4.0000e-003	0.0000	107.5308

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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 Building Construction - 2038

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	0.0132	0.4170	0.1708	1.8700e-003	0.0826	3.4200e-003	0.0860	0.0238	3.2800e-003	0.0271	0.0000	180.9720	180.9720	3.0800e-003	0.0263	188.8780
Worker	0.1025	0.0598	1.1365	4.3700e-003	0.6958	1.5900e-003	0.6974	0.1848	1.4700e-003	0.1862	0.0000	401.1488	401.1488	5.0600e-003	8.4500e-003	403.7924
Total	0.1157	0.4767	1.3073	6.2400e-003	0.7784	5.0100e-003	0.7834	0.2086	4.7500e-003	0.2133	0.0000	582.1208	582.1208	8.1400e-003	0.0347	592.6704

3.6 Paving - 2038

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	0.0627	0.2682	0.8701	1.5400e-003		0.0103	0.0103		0.0103	0.0103	0.0000	132.5473	132.5473	5.1000e-003	0.0000	132.6749
Paving	0.0286					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0913	0.2682	0.8701	1.5400e-003		0.0103	0.0103		0.0103	0.0103	0.0000	132.5473	132.5473	5.1000e-003	0.0000	132.6749

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

3.6 Paving - 2038

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	1.1000e-004	3.5100e-003	1.4400e-003	2.0000e-005	6.9000e-004	3.0000e-005	7.2000e-004	2.0000e-004	3.0000e-005	2.3000e-004	0.0000	1.5229	1.5229	3.0000e-005	2.2000e-004	1.5894
Worker	1.3400e-003	7.8000e-004	0.0148	6.0000e-005	9.0700e-003	2.0000e-005	9.0900e-003	2.4100e-003	2.0000e-005	2.4300e-003	0.0000	5.2276	5.2276	7.0000e-005	1.1000e-004	5.2620
Total	1.4500e-003	4.2900e-003	0.0163	8.0000e-005	9.7600e-003	5.0000e-005	9.8100e-003	2.6100e-003	5.0000e-005	2.6600e-003	0.0000	6.7505	6.7505	1.0000e-004	3.3000e-004	6.8514

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	0.0627	0.2682	0.8701	1.5400e-003		0.0103	0.0103		0.0103	0.0103	0.0000	132.5472	132.5472	5.1000e-003	0.0000	132.6747
Paving	0.0286					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0913	0.2682	0.8701	1.5400e-003		0.0103	0.0103		0.0103	0.0103	0.0000	132.5472	132.5472	5.1000e-003	0.0000	132.6747

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

3.6 Paving - 2038

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	1.1000e-004	3.5100e-003	1.4400e-003	2.0000e-005	6.9000e-004	3.0000e-005	7.2000e-004	2.0000e-004	3.0000e-005	2.3000e-004	0.0000	1.5229	1.5229	3.0000e-005	2.2000e-004	1.5894
Worker	1.3400e-003	7.8000e-004	0.0148	6.0000e-005	9.0700e-003	2.0000e-005	9.0900e-003	2.4100e-003	2.0000e-005	2.4300e-003	0.0000	5.2276	5.2276	7.0000e-005	1.1000e-004	5.2620
Total	1.4500e-003	4.2900e-003	0.0163	8.0000e-005	9.7600e-003	5.0000e-005	9.8100e-003	2.6100e-003	5.0000e-005	2.6600e-003	0.0000	6.7505	6.7505	1.0000e-004	3.3000e-004	6.8514

3.7 Architectural Coating - 2038

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	1.6906					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.8900e-003	0.0379	0.0897	1.5000e-004		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	12.7663	12.7663	4.7000e-004	0.0000	12.7781
Total	1.6965	0.0379	0.0897	1.5000e-004		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	12.7663	12.7663	4.7000e-004	0.0000	12.7781

Calimesa RIPA0Z - Riverside-South Coast County, Annual

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

3.7 Architectural Coating - 2038

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0202	0.0118	0.2242	8.6000e-004	0.1373	3.1000e-004	0.1376	0.0365	2.9000e-004	0.0367	0.0000	79.1266	79.1266	1.0000e-003	1.6700e-003	79.6480
Total	0.0202	0.0118	0.2242	8.6000e-004	0.1373	3.1000e-004	0.1376	0.0365	2.9000e-004	0.0367	0.0000	79.1266	79.1266	1.0000e-003	1.6700e-003	79.6480

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	1.6906					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.8900e-003	0.0379	0.0897	1.5000e-004		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	12.7663	12.7663	4.7000e-004	0.0000	12.7781
Total	1.6965	0.0379	0.0897	1.5000e-004		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	12.7663	12.7663	4.7000e-004	0.0000	12.7781

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

3.7 Architectural Coating - 2038

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0202	0.0118	0.2242	8.6000e-004	0.1373	3.1000e-004	0.1376	0.0365	2.9000e-004	0.0367	0.0000	79.1266	79.1266	1.0000e-003	1.6700e-003	79.6480
Total	0.0202	0.0118	0.2242	8.6000e-004	0.1373	3.1000e-004	0.1376	0.0365	2.9000e-004	0.0367	0.0000	79.1266	79.1266	1.0000e-003	1.6700e-003	79.6480

3.7 Architectural Coating - 2039

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.9448					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0138	0.0884	0.2093	3.5000e-004		1.1600e-003	1.1600e-003		1.1600e-003	1.1600e-003	0.0000	29.7880	29.7880	1.1000e-003	0.0000	29.8155
Total	3.9585	0.0884	0.2093	3.5000e-004		1.1600e-003	1.1600e-003		1.1600e-003	1.1600e-003	0.0000	29.7880	29.7880	1.1000e-003	0.0000	29.8155

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

3.7 Architectural Coating - 2039

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0472	0.0275	0.5231	2.0100e-003	0.3203	7.3000e-004	0.3210	0.0850	6.7000e-004	0.0857	0.0000	184.6287	184.6287	2.3300e-003	3.8900e-003	185.8454
Total	0.0472	0.0275	0.5231	2.0100e-003	0.3203	7.3000e-004	0.3210	0.0850	6.7000e-004	0.0857	0.0000	184.6287	184.6287	2.3300e-003	3.8900e-003	185.8454

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.9448					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0138	0.0884	0.2093	3.5000e-004		1.1600e-003	1.1600e-003		1.1600e-003	1.1600e-003	0.0000	29.7879	29.7879	1.1000e-003	0.0000	29.8154
Total	3.9585	0.0884	0.2093	3.5000e-004		1.1600e-003	1.1600e-003		1.1600e-003	1.1600e-003	0.0000	29.7879	29.7879	1.1000e-003	0.0000	29.8154

Calimesa RIPAOZ - Riverside-South Coast County, Annual

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

3.7 Architectural Coating - 2039

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0472	0.0275	0.5231	2.0100e-003	0.3203	7.3000e-004	0.3210	0.0850	6.7000e-004	0.0857	0.0000	184.6287	184.6287	2.3300e-003	3.8900e-003	185.8454
Total	0.0472	0.0275	0.5231	2.0100e-003	0.3203	7.3000e-004	0.3210	0.0850	6.7000e-004	0.0857	0.0000	184.6287	184.6287	2.3300e-003	3.8900e-003	185.8454

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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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	4.1202	5.5647	45.5650	0.1147	16.5342	0.0639	16.5981	4.4122	0.0600	4.4722	0.0000	10,602.1387	10,602.1387	0.5073	0.4975	10,763.0815
Unmitigated	4.1202	5.5647	45.5650	0.1147	16.5342	0.0639	16.5981	4.4122	0.0600	4.4722	0.0000	10,602.1387	10,602.1387	0.5073	0.4975	10,763.0815

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	9,120.72	10,142.44	7824.88	31,033,070	31,033,070
Condo/Townhouse	3,755.16	4,175.82	3221.64	12,776,858	12,776,858
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	12,875.88	14,318.26	11,046.52	43,809,928	43,809,928

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Condo/Townhouse	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.554215	0.059937	0.180347	0.124184	0.021399	0.006213	0.010875	0.016121	0.000581	0.000247	0.021996	0.000946	0.002938
Condo/Townhouse	0.554215	0.059937	0.180347	0.124184	0.021399	0.006213	0.010875	0.016121	0.000581	0.000247	0.021996	0.000946	0.002938

Calimesa RIPAOZ - Riverside-South Coast County, Annual

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

Other Asphalt Surfaces	0.554215	0.059937	0.180347	0.124184	0.021399	0.006213	0.010875	0.016121	0.000581	0.000247	0.021996	0.000946	0.002938
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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,432.9322	1,432.9322	0.1209	0.0147	1,440.3244
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,432.9322	1,432.9322	0.1209	0.0147	1,440.3244
Natural Gas Mitigated	0.1600	1.3672	0.5818	8.7300e-003		0.1105	0.1105		0.1105	0.1105	0.0000	1,583.3665	1,583.3665	0.0304	0.0290	1,592.7757
Natural Gas Unmitigated	0.1600	1.3672	0.5818	8.7300e-003		0.1105	0.1105		0.1105	0.1105	0.0000	1,583.3665	1,583.3665	0.0304	0.0290	1,592.7757

Calimesa RIPAOZ - Riverside-South Coast County, Annual

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

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.88469e+007	0.1016	0.8684	0.3696	5.5400e-003		0.0702	0.0702		0.0702	0.0702	0.0000	1,005.7415	1,005.7415	0.0193	0.0184	1,011.7181
Condo/Townhouse	1.08243e+007	0.0584	0.4988	0.2122	3.1800e-003		0.0403	0.0403		0.0403	0.0403	0.0000	577.6251	577.6251	0.0111	0.0106	581.0576
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.1600	1.3672	0.5818	8.7200e-003		0.1105	0.1105		0.1105	0.1105	0.0000	1,583.3666	1,583.3666	0.0304	0.0290	1,592.7757

Calimesa RIPAOZ - Riverside-South Coast County, Annual

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

5.2 Energy by Land Use - Natural Gas

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.88469e+007	0.1016	0.8684	0.3696	5.5400e-003		0.0702	0.0702		0.0702	0.0702	0.0000	1,005.7415	1,005.7415	0.0193	0.0184	1,011.7181
Condo/Townhouse	1.08243e+007	0.0584	0.4988	0.2122	3.1800e-003		0.0403	0.0403		0.0403	0.0403	0.0000	577.6251	577.6251	0.0111	0.0106	581.0576
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.1600	1.3672	0.5818	8.7200e-003		0.1105	0.1105		0.1105	0.1105	0.0000	1,583.3666	1,583.3666	0.0304	0.0290	1,592.7757

Calimesa RIPAOZ - 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			
Apartments Low Rise	5.19576e+006	921.4445	0.0778	9.4300e-003	926.1981
Condo/Townhouse	2.55154e+006	452.5041	0.0382	4.6300e-003	454.8385
Other Asphalt Surfaces	332591	58.9836	4.9800e-003	6.0000e-004	59.2879
Total		1,432.9322	0.1209	0.0147	1,440.3244

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

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	5.19576e+006	921.4445	0.0778	9.4300e-003	926.1981
Condo/Townhouse	2.55154e+006	452.5041	0.0382	4.6300e-003	454.8385
Other Asphalt Surfaces	332591	58.9836	4.9800e-003	6.0000e-004	59.2879
Total		1,432.9322	0.1209	0.0147	1,440.3244

6.0 Area Detail

6.1 Mitigation Measures Area

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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	7.5213	0.2085	18.0606	9.6000e-004		0.1006	0.1006		0.1006	0.1006	0.0000	29.6319	29.6319	0.0282	0.0000	30.3370
Unmitigated	7.5213	0.2085	18.0606	9.6000e-004		0.1006	0.1006		0.1006	0.1006	0.0000	29.6319	29.6319	0.0282	0.0000	30.3370

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	0.5635					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.4176					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.5402	0.2085	18.0606	9.6000e-004		0.1006	0.1006		0.1006	0.1006	0.0000	29.6319	29.6319	0.0282	0.0000	30.3370
Total	7.5213	0.2085	18.0606	9.6000e-004		0.1006	0.1006		0.1006	0.1006	0.0000	29.6319	29.6319	0.0282	0.0000	30.3370

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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	0.5635					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.4176					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.5402	0.2085	18.0606	9.6000e-004		0.1006	0.1006		0.1006	0.1006	0.0000	29.6319	29.6319	0.0282	0.0000	30.3370
Total	7.5213	0.2085	18.0606	9.6000e-004		0.1006	0.1006		0.1006	0.1006	0.0000	29.6319	29.6319	0.0282	0.0000	30.3370

7.0 Water Detail

7.1 Mitigation Measures Water

Calimesa RIPA0Z - 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	443.3670	3.7688	0.0923	565.1046
Unmitigated	443.3670	3.7688	0.0923	565.1046

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	81.1819 / 51.1799	314.0621	2.6697	0.0654	400.2958
Condo/Townhouse	33.424 / 21.0717	129.3049	1.0991	0.0269	164.8088
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		443.3670	3.7688	0.0923	565.1046

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

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	81.1819 / 51.1799	314.0621	2.6697	0.0654	400.2958
Condo/Townhouse	33.424 / 21.0717	129.3049	1.0991	0.0269	164.8088
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		443.3670	3.7688	0.0923	565.1046

8.0 Waste Detail

8.1 Mitigation Measures Waste

Calimesa RIPAOZ - 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	164.2481	9.7068	0.0000	406.9177
Unmitigated	164.2481	9.7068	0.0000	406.9177

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	573.16	116.3463	6.8759	0.0000	288.2430
Condo/Townhouse	235.98	47.9018	2.8309	0.0000	118.6747
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		164.2481	9.7068	0.0000	406.9177

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

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	573.16	116.3463	6.8759	0.0000	288.2430
Condo/Townhouse	235.98	47.9018	2.8309	0.0000	118.6747
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		164.2481	9.7068	0.0000	406.9177

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

11.0 Vegetation
